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November 30, 2006

Mr. Jack Watson
US ORE CORPORATION
5480 Baltimore Drive, Suite 204
La Mesa, CA 91942

**Subject: 1004 Channel Road Condominium Development (TM5463 & STP05-068) Focused Air Quality Analysis**

Dear Mr. Watson

## Summary

The firm of Urban Crossroads, Inc. is pleased to submit the following analysis to satisfy the request to perform a focused air quality analysis by the County of San Diego Department of Planning and Land Use (DPLU) in their letter dated April 13, 2006.

## Project Description

The project consists of developing 8 dwelling units on a 0.30-acre (gross) site located west of Channel Road and south of Highway 67 within the Lakeside Community Plan Area. The site is currently developed with a mobile home and storage shed. The site is bordered on the north by Highway 67, on the south by a church, on the west by single-family residential, the east by single-family residential and scattered commercial uses. Exhibit “A" presents the project location and surrounding roadway network, the project site plan is presented on Exhibit “B.”

## Purpose

The California Air Resources Board (CARB) has published advisory recommendations to avoid siting new sensitive receptors within 500 feet of freeways, urban roads with 100,000 vehicles/day, or rural roads within 50,000 vehicles/day.

Due to the close proximity of the proposed project to the adjacent highway (the approximate distance for the nearest proposed residence to Highway 67 is less than 200 feet) an analysis of carbon monoxide and diesel-fired particulate matter (DPM) has been prepared to determine the impact that the adjacent freeway may have on the proposed condominium development. It is extremely important to note that this analysis is not intended to identify the proposed projects related impacts; this analysis serves as a disclosure document to assess the background existing emissions, and projected future emissions that residents of the proposed project may be subject to. It should also be noted that the proposed land use is consistent with adjacent land uses that are also in close proximity to Highway 67, and that there are currently mobile homes existing at the project site.

A mobile source health risk assessment has been prepared in accordance with the document Supplemental Guidelines for Submission of Air Toxics "Hot Spots" Program Health Risk Assessments (HRAs) (SDAPCD, June 2006). Additionally an evaluation of Carbon Monoxide (CO) emissions is presented. The following presents a detailed analysis:

**Summary**

Results indicate that diesel particulate emissions generated from the adjacent Highway 67 have the potential to pose a cancer risk to receptors in the project area. The analysis found that cancer risks to residents (70-year exposure, high-end point estimates) in the proposed project range from 18 per million to 46 per million in 2006 and 24 per million to 64 per million in 2030. It should be noted however that the calculated cancer risks from DPM for the project site are still lower than the overall California average risk of 390 per million as estimated by the California Air Resources Board (CARB) for the average Californian being exposed to DPM (OEHHA 2000).

In addition, the USEPA also recommends examining the cancer risk for durations of residents for 9 years and 30-years (OEHHA 2003). Therefore, it is also useful to

consider the cancer risks from those exposure durations. Tables 1 and 2 summarize the range of cancer risks for all exposure durations.

On a more localized level, the cancer risk can be focused on the estimated number of future residents (32 residents, 8 units x 4 persons/unit) that would occupy the proposed development. Because one million people do not occupy the project site or the Lakeside development area, the risk calculated for the project on a per one million people basis was adjusted to see what the risk would be for 32 people moving onto the project site. Therefore, when the calculated project cancer risk is evaluated for a 32 resident population base, the cancer risk from DPM (70-year exposure, high-end point estimates) ranges from 0.0006 to 0.0015 in 2006 and 0.0008 to .0020 in 2030.

It should be noted that risk estimates assume that sensitive receptors will be subject to diesel particulate matter for 24 hours a day, 365 days a year. As a conservative measure, the SDAPCD does not recognize indoor adjustments for residents. However the typical person spends the majority of their time indoors versus remaining outdoors for 24 hours a day, 365 days a year.

An evaluation of the potential non-cancer effect of chronic exposures to DPM was also conducted. Adverse health effects are evaluated by comparing a compound's annual concentration with its toxicity factor or Reference Exposure Level (REL). The REL for diesel particulates was obtained from OEHHA for this analysis.

To quantify noncarcinogenic impacts, the hazard index approach was used. The hazard index assumes that chronic sub-threshold exposures adversely affect a specific organ or organ system. To calculate hazard index, the chemical concentration or dose is divided by its REL. Where the total equals or exceeds one, a health hazard is presumed to exist. For purposes of this analysis the hazard index for the respiratory endpoint totaled less than one for all scenarios evaluated (see Tables 1 and 2).

The results of the analysis also indicate that residents occupying the proposed project will not be subject to substantial CO concentrations.

**Average Daily Trips on Highway 67**

Daily traffic volumes utilized for this analysis were based on data by the U.S. Department of Transportation Federal Highway Administration (FHA) the current average daily traffic along Highway 67, adjacent to the proposed project is approximately 34,000 vehicles per day, of which 1,428 are assumed to be heavy-diesel trucks (FHA 2005). For purposes of this analysis the FHA data is assumed to be representative of existing year 2006 conditions. Similarly, future year 2030 volumes obtained from SANDAG estimate average daily traffic on Highway 67 to be 82,000 vehicles per day, of which 5,380 are assumed to be heavy-diesel trucks.

**Assessment Protocol**

The assessment and dispersion modeling methodologies used in preparation of this report were composed of all relevant and appropriate procedures presented by the U.S. Environmental Protection Agency (U.S. EPA), California Environmental Protection Agency, San Diego Air Pollution Control District and the South Coast Air Quality Management District. The methodologies and assumptions offered under this regulatory guidance were used to ensure that the assessment effectively quantified particulate impacts associated with the generation of contaminant emissions from mobile source activity.

Currently, emissions factors are generated from a series of computer based programs to produce a composite emission rate for vehicles traveling within a defined geographical area or roadway segment. To account for emission standards imposed on the California fleet, CARB has developed the EMFAC2002 emission factor model. The SCAQMD has further simplified these calculations by providing CEQA practitioners with

on-road emission factors (worst-case, conservative) averages for passenger cars and heavy duty diesel trucks (http://www.aqmd.gov/ceqa/handbook/onroad/onroad.html). See Attachment "A" for more details.

**Exposure Quantification**

In order to assess the impact of particulate emissions throughout the proposed project community, air dispersion modeling using the Industrial Source Complex-Short Term Model (ISCST3) was used. The model is a steady state Gaussian plume model utilized for estimating ground level impacts from point and fugitive sources in simple and complex terrain. For purposes of this analysis, the model was used to calculate annual average particulate concentrations associated with heavy-diesel truck traffic along Highway 67.

According to guidance from the SCAQMD from the document Health Risk Assessment Guidance for Analyzing Cancer Risk from Mobile Source Diesel Idling Emissions for CEQA Air Quality Analysis (SCAQMD 2003), the guidance recommends the use of multiple adjacent volume sources to represent emission sources (i.e., lanes of travel) along the roadway; therefore, to model the potential impacts associated with emissions of diesel particulates along Highway 67, a series of volume sources was placed along the Highway 67 roadway segment that runs adjacent to the proposed project. Each of the volume sources was assumed to be 9.75 meters x 9.75 meters for actual representation at ground level for the roadway. The vehicle counts previously discussed were programmed into the model's scalar option to account for variability in hourly traffic volumes over a 24-hour period, emissions were then divided among the various volume sources. See Attachment "B" for a detailed list of calculations for roadway emissions and volume source sigma's.

Receptor locations were placed within the boundaries of the proposed project. Consistent with model guidance, a flagpole height was set to 1.5 meters.

Dispersion models are sensitive to individual meteorological parameters such as wind speed, stability class, mixing height and temperature. The U.S. EPA recommends that meteorological data used as inputs into dispersion models be selected on the basis of relative spatial and temporal conditions that exist in the area of concern. Hourly surface weather data from the SDAPCD's Miramar monitoring station (1967-1971) was incorporated to represent local weather conditions and prevailing wind speeds in the project area.

**Carcinogenic Chemical Risk**

Health risks associated with exposure to carcinogenic compounds are defined in terms of the probability of developing cancer as a result of exposure to a chemical at a given concentration. The cancer risk probability is determined by multiplying the chemical's annual concentration by its unit risk factor (URF). The URF is a measure of carcinogenic potential of a chemical when a dose is received through the inhalation pathway. It represents an upper-bound estimate of the probability of contracting cancer as a result of continuous exposure to an ambient concentration of one microgram per cubic meter ($\mu g/m^3$) over a 70 year lifetime. The URF utilized in this analysis was obtained from the California Environmental Protection Agency, Office of Environmental Health Hazard (OEHHA).

Results indicate that diesel particulate emissions generated from the adjacent Highway 67 have the potential to pose a cancer risk to receptors in the project area. The analysis found that cancer risks to residents (70-year exposure, high-end point estimates) in the proposed project range from 18 per million to 46 per million in 2006 and 24 per million to 64 per million in 2030. It should be noted however that the calculated cancer risks from DPM for the project site are still lower than the overall California average risk of 390 per million as estimated by the CARB for the average Californian being exposed to DPM (OEHHA 2000).

In addition, the USEPA also recommends examining the cancer risk for durations of residents for 9 years and 30-years (OEHHA 2003). Therefore, it is also useful to consider the cancer risks from those exposure durations. Tables 1 and 2 summarize the range of cancer risks for all exposure durations.

On a more localized level, the cancer risk can be focused down to the estimated number of future residents (32 residents, 8 units x 4 persons/unit) that would occupy the proposed development. Because one million people do not occupy the project area, nor the Lakeside development area, the risk calculated for the project on a per one million people basis using OEHHA approved methodology, was adjusted to see what the risk would be for 32 people moving onto the project site. Therefore, when the calculated project cancer risk is evaluated for a 32 resident population base, the cancer risk from DPM (70-year exposure, high-end point estimates) ranges from 0.0006 to 0.0015 in 2006 and 0.0008 to .0020 in 2030.

It should be noted that risk estimates assume that sensitive receptors will be subject to diesel particulate matter for 24 hours a day, 365 days a year. As a conservative measure, the SDAPCD does not recognize indoor adjustments for residents. However the typical person spends the majority of their time indoors versus remaining outdoors for 24 hours a day, 365 days a year.

The ISCST3 dispersion model summary output files, risk calculation sheets for health risk associated with diesel particulate matter, and an aerial image depicting the source and receptor locations are presented in Attachment "C".

**Noncarcinogenic Exposures**

An evaluation of the potential non-cancer effect of chronic exposures to DPM was also conducted. Adverse health effects are evaluated by comparing a compound's annual concentration with its toxicity factor or Reference Exposure Level (REL). The REL for diesel particulates was obtained from OEHHA for this analysis.

To quantify noncarcinogenic impacts, the hazard index approach was used. The hazard index assumes that chronic sub-threshold exposures adversely affect a specific organ or organ system. To calculate hazard index, the chemical concentration or dose is divided by its REL. Where the total equals or exceeds one, a health hazard is presumed to exist. For purposes of this analysis the hazard index for the respiratory endpoint totaled less than one for all scenarios evaluated (see Tables 1 and 2).

**Diesel Particulate Matter Regulations**

The local air districts have the primary responsibility for control of air pollution for all sources, except for mobile source emissions, which are under the control of CARB. On August 27, 1998, following a 10-year review process, CARB listed DPM as a toxic air contaminant.

The USEPA, CARB, and SDAPCD have adopted many regulations that have resulted or will reduce particulate matter (PM), nitrogen oxides (NOx), and sulfur oxides (SOx) emissions from diesel fueled engines. Some of the existing control measures are:

- A requirement for low sulfur / low aromatic diesel fuel that reduces PM, NOx, and SOx emissions (October 1993).

- Emissions standards for NOx emissions from diesel cars, trucks, and urban buses (phased in from 1984 through 2004).

- Roadside testing of heavy-duty on-road vehicles for excessive PM emissions (1991) and a requirement for fleet inspection and maintenance of heavy –duty vehicles (Summer 1998).

- Emission standards that restrict the amount of PM and NOx that can be emitted for many 1995 and newer diesel utility engines.

In October 2000, the USEPA published the final rule for new diesel engine standards beginning in 2004 for all diesel vehicles over 8,500 pounds. Additional diesel standards and test procedures in this rule will begin in 2007. The new standards require diesel trucks to be more than 40 percent cleaner than today's models (USEPA 2000a). In December 2000, the USEPA established a comprehensive national control program that will regulate the heavy-duty vehicle and its fuel as a single system. New emission standards will begin to take effect in model year 2007 and will apply to heavy-duty highway engines and vehicles. The new standards for PM will take full effect for diesels in the 2007 model year. Gasoline engines will also be subject to theses standards, requiring full compliance in the 2009 model year. In addition, the level of sulfur in highway diesel fuel will be reduced by 97 percent to no more than 15 parts per million (ppm) as currently in effect.

In October 2000, CARB completed a risk reduction plan (CARB 2000) to reduce diesel PM emissions throughout the state. The plan proposes measures which will require all new diesel fueled vehicles and engines to use state of the art catalyzed diesel PM filters and very low sulfur diesel fuel. In addition, all existing vehicles and engines should be evaluated, and wherever technically feasible and cost-effective, retrofitted with diesel PM filters. It is estimated that full implementation of the plan, including proposed federal measures, will result in reductions in diesel PM emissions and associated cancer risks of 75 percent by 2010 and 85 percent by 2020. On February 27, 2004, CARB announced the approval of five diesel air toxic control measures (ATCMs) which will limit diesel PM (CARB 2004).

**Carbon Monoxide Exposures**

Based on the impact analysis none of the locations is projected to experience CO levels in excess of the allowable concentration of 20.0 ppm. The highest projected CO "hot spot" level (including ambient background concentrations) is 5.20 ppm. The analysis also indicates that none of the locations is projected to experience CO levels in excess

of the 8-hour allowable concentration of 9.0 ppm, as the highest projected CO "hot spot" level (including ambient background concentrations) is 4.89 ppm. Attachment "D" contains a detailed output from the ISCST3 model and emissions factors used in the analysis.

Consequently, sensitive receptors would not be significantly affected by CO emissions generated by project-related traffic.

If you have any questions or require any additional information regarding this letter, please don't hesitate to give me a call at (760) 931-0664.

Sincerely,

URBAN CROSSROADS, INC.

Aric Evat,
Principal

Jeremy Louden,
Senior Associate

Haseeb Qureshi,
Air Quality Specialist

AE:HQ:we
JN:04312-02

Attachments

REFERENCES


1. California Air Resources Board, 2004. Consolidated Table of OEHHA/ARB Approved Risk Assessment Values. Website: Http://www.arb.ca.gov/toxics/healthval/healthval.htm.

2. California Air Resources Board, 2003. Emfac2002 (Version 2.2) – Calculating Emission Inventories for Vehicles in California.

3. California Air Resources Board, 2000. Risk Reduction Plan to Reduce Particulate Matter Emissions from Diesel-Fueled Engines and Vehicle.

4. Office of Environmental Health Hazard Assessment, 2005. Toxicity Criteria Database. Website: http://www.oehha.org/risk/chemicaldb/index.asp.

5. Office of Environmental Health Hazard Assessment, 2000. Technical Support Document for Exposure Assessment and Stochastic Analysis.

6. San Diego Air Pollution Control District (SDAPCD), 2006. Supplemental Guidelines for Submission of Air Toxics "Hot Spots" Program Health Risk Assessments (HRAs).

7. South Coast Air Quality Management District (SCAQMD), 2003. Health Risk Assessment Guidance for Analyzing Cancer Risks from Mobile Source Diesel Idling Emissions for CEQA Air Quality Analysis.

8. California Air Resources Board (CARB), 1967-1971. Meteorological Data Set for Mirimar, California.

9. U.S. Department of Transportation Federal Highway Administration, 2005. Annual Average Daily Truck Traffic on the California State Highway System.

EXHIBIT A

# LOCATION MAP

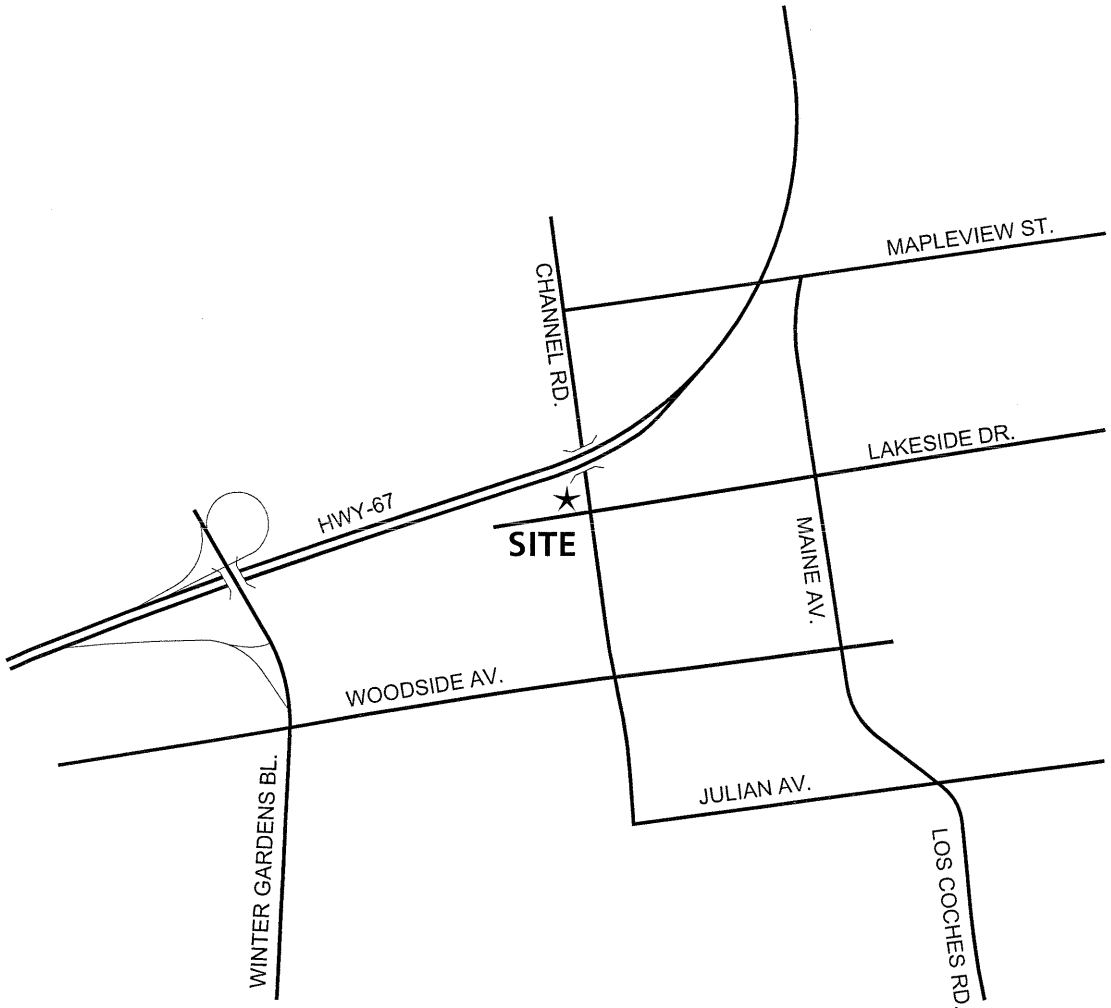


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EXHIBIT B

# SITE PLAN

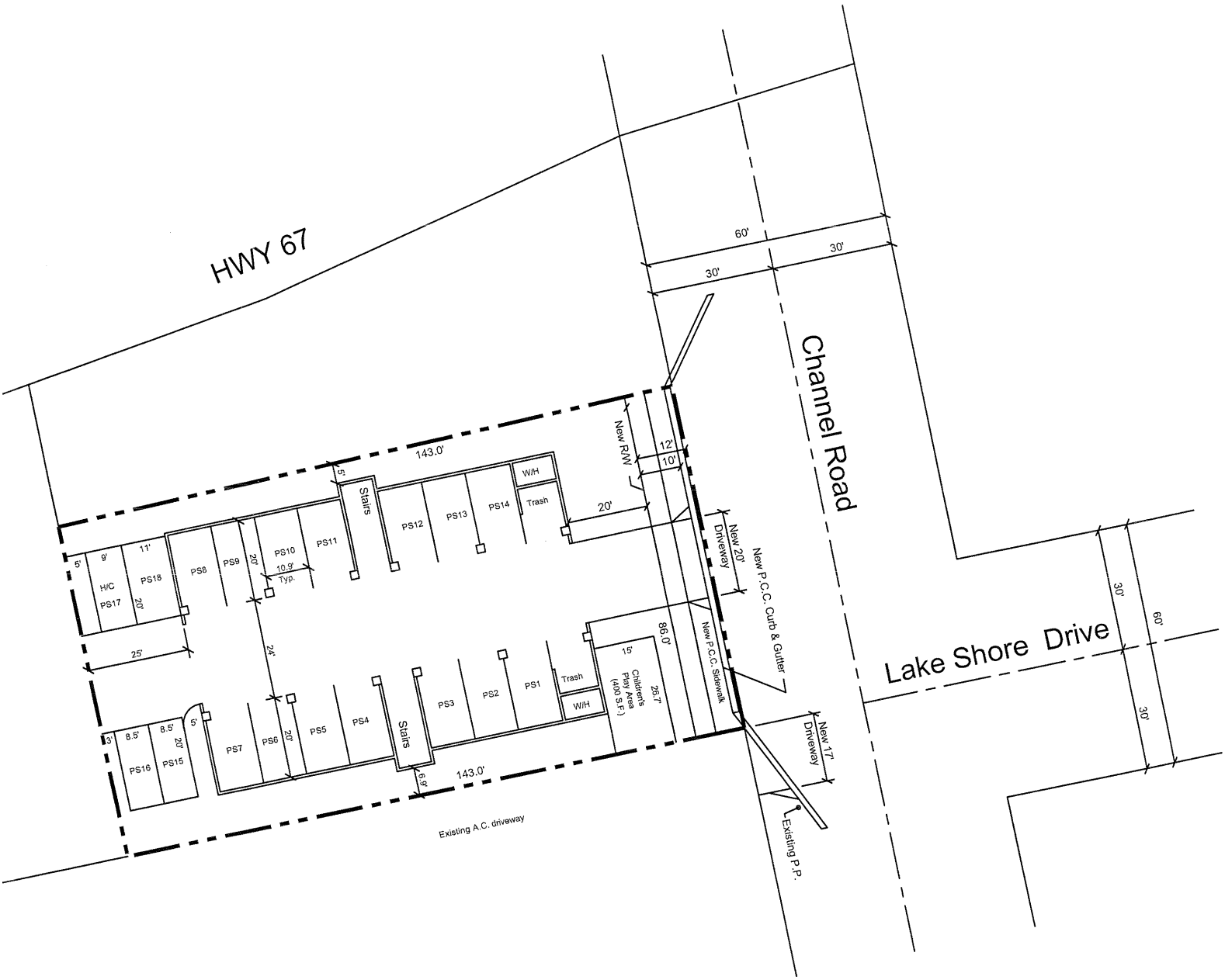


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**TABLE 1**

**SUMMARY OF HEALTH RISK (per million people) YEAR 2006**

| Cancer Risk | | | | | | Non-Cancer Risk |
|---|---|---|---|---|---|---|
| 70-year Exposure | | 30-year Exposure | | 9-year Exposure | | Hazard Quotient |
| High-end | Average | High-end | Average | High-end | Average | |
| 46.0 | 18.0 | 20.0 | 7.5 | 6.0 | 2.3 | 0.031 |

**SUMMARY OF HEALTH RISK (per 32 future residents) YEAR 2006**

| Cancer Risk | | | | | | Non-Cancer Risk |
|---|---|---|---|---|---|---|
| 70-year Exposure | | 30-year Exposure | | 9-year Exposure | | Hazard Quotient |
| High-end | Average | High-end | Average | High-end | Average | |
| 0.0015 | 0.0006 | 0.0006 | 0.0002 | 0.0002 | 0.0001 | 0.031 |

**TABLE 2**

**SUMMARY OF HEALTH RISK (per million people) YEAR 2030**

| Cancer Risk | | | | | | Non-Cancer Risk |
|---|---|---|---|---|---|---|
| 70-year Exposure | | 30-year Exposure | | 9-year Exposure | | Hazard Quotient |
| High-end | Average | High-end | Average | High-end | Average | |
| 64.0 | 24.0 | 28.0 | 10.0 | 8.3 | 3.1 | 0.043 |

**SUMMARY OF HEALTH RISK (per 32 future residents) YEAR 2030**

| Cancer Risk | | | | | | Non-Cancer Risk |
|---|---|---|---|---|---|---|
| 70-year Exposure | | 30-year Exposure | | 9-year Exposure | | Hazard Quotient |
| High-end | Average | High-end | Average | High-end | Average | |
| 0.0020 | 0.0008 | 0.0009 | 0.0003 | 0.0003 | 0.0001 | 0.043 |

REFERENCES


1. California Air Resources Board, 2004. Consolidated Table of OEHHA/ARB Approved Risk Assessment Values. Website: Http://www.arb.ca.gov/toxics/healthval/healthval.htm.

2. California Air Resources Board, 2003. Emfac2002 (Version 2.2) – Calculating Emission Inventories for Vehicles in California.

3. California Air Resources Board, 2000. Risk Reduction Plan to Reduce Particulate Matter Emissions from Diesel-Fueled Engines and Vehicle.

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6. San Diego Air Pollution Control District (SDAPCD), 2006. Supplemental Guidelines for Submission of Air Toxics "Hot Spots" Program Health Risk Assessments (HRAs).

7. South Coast Air Quality Management District (SCAQMD), 2003. Health Risk Assessment Guidance for Analyzing Cancer Risks from Mobile Source Diesel Idling Emissions for CEQA Air Quality Analysis.

8. California Air Resources Board (CARB), 1967-1971. Meteorological Data Set for Mirimar, California.

9. U.S. Department of Transportation Federal Highway Administration, 2005. Annual Average Daily Truck Traffic on the California State Highway System.

**ATTACHMENT A**

EMFAC 2002 EMISSIONS FACTORS
(SCAQMD CONSERVATIVE ESTIMATES)

## Highest (Most Conservative) EMFAC 2002 (version 2.2, April 23, 2003)
## Emission Factors for On-Road Heavy Heavy Duty Diesel Trucks
Projects in the SCAQMD (Scenario Years 2005 - 2025)
Derived from Wintertime Emissions Inventory
Heavy Heavy Duty Diesel Trucks (33,001 to 60,000 pounds)

The following emission factors were compiled by running the California Air Resources Board's EMFAC2002 (version 2.2) Burden Model and extracting the Heavy Heavy Duty Diesel Truck (HHDT) Emission Factors. When calculating on-road mobile source emissions from HHDT, use the following equation:

**Emissions (pounds per day) = N x TL x EF**

where N = number of trips, TL = trip length (miles/day), and EF = emission factor (pounds per mile)

The emission factors account for all emissions from start, running and idling exhaust. In addition, the ROG emission factors take into account diurnal, hot soak, running and resting emissions, and PM10 emission factor takes into account the tire and brake wear.

Scenario Year: 2005 -- Model Years: 1965 to 2005

| HHDT-DSL (pounds/mile) | |
|---|---|
| ROG | 0.001402763 |
| CO | 0.006308183 |
| NOx | 0.041540914 |
| PM10 | 0.000773645 |
| SOx | 0.000403826 |

Scenario Year: 2006 -- Model Years: 1965 to 2006

| HHDT-DSL (pounds/mile) | | |
|---|---|---|
| ROG | 0.00132058 | |
| CO | 0.005932325 | |
| NOx | 0.038930371 | |
| PM10 | 0.000730227 | 0.331223799 |
| SOx | 0.000405225 | |

Scenario Year: 2007 -- Model Years: 1965 to 2007

| HHDT-DSL (pounds/mile) | |
|---|---|
| ROG | 0.001226518 |
| CO | 0.005520326 |
| NOx | 0.035634629 |
| PM10 | 0.000644071 |
| SOx | 4.57211E-05 |

Scenario Year: 2008 -- Model Years: 1965 to 2008

| HHDT-DSL (pounds/mile) | |
|---|---|
| ROG | 0.001133052 |
| CO | 0.005116948 |
| NOx | 0.032442485 |
| PM10 | 0.00059816 |
| SOx | 4.60123E-05 |

Scenario Year: 2009 -- Model Years: 1965 to 2009

| HHDT-DSL (pounds/mile) | |
|---|---|
| ROG | 0.001042339 |
| CO | 0.00473757 |
| NOx | 0.029454847 |
| PM10 | 0.000558989 |
| SOx | 4.61212E-05 |

Scenario Year: 2010 -- Model Years: 1965 to 2010

| HHDT-DSL (pounds/mile) | |
|---|---|
| ROG | 0.000948077 |
| CO | 0.004334574 |
| NOx | 0.025801878 |
| PM10 | 0.000506823 |
| SOx | 4.60748E-05 |

Scenario Year: 2011 -- Model Years: 1966 to 2011

| HHDT-DSL (pounds/mile) | |
|---|---|
| ROG | 0.000887827 |
| CO | 0.004068636 |
| NOx | 0.022117125 |
| PM10 | 0.000474646 |
| SOx | 4.60987E-05 |

Scenario Year: 2012 -- Model Years: 1967 to 2012

| HHDT-DSL (pounds/mile) | |
|---|---|
| ROG | 0.000813022 |
| CO | 0.003782533 |
| NOx | 0.019380319 |
| PM10 | 0.000437908 |
| SOx | 4.62695E-05 |

Scenario Year: 2013 -- Model Years: 1968 to 2013

| HHDT-DSL (pounds/mile) | |
|---|---|
| ROG | 0.000748835 |
| CO | 0.003551342 |
| NOx | 0.017054475 |
| PM10 | 0.000408163 |
| SOx | 4.66013E-05 |

Scenario Year: 2014 -- Model Years: 1969 to 2014

| HHDT-DSL (pounds/mile) | |
|---|---|
| ROG | 0.000695502 |
| CO | 0.003364471 |
| NOx | 0.015100086 |
| PM10 | 0.000383076 |
| SOx | 4.70995E-05 |

## Highest (Most Conservative) EMFAC 2002 (version 2.2, April 23, 2003)
## Emission Factors for On-Road Heavy Heavy Duty Diesel Trucks (concluded)

Scenario Year: 2015 -- Model Years: 1970 to 2015
HHDT-DSL (pounds/mile)

Scenario Year: 2016 -- Model Years: 1971 to 2016
HHDT-DSL (pounds/mile)

| | |
|---|---|
| ROG | 0.00065137 |
| CO | 0.003216816 |
| NOx | 0.013437019 |
| PM10 | 0.000361872 |
| SOx | 4.61965E-05 |

Scenario Year: 2017-- Model Years: 1972 to 2017
HHDT-DSL (pounds/mile)

| | |
|---|---|
| ROG | 0.000585118 |
| CO | 0.003004702 |
| NOx | 0.010830659 |
| PM10 | 0.000329875 |
| SOx | 4.62721E-05 |

Scenario Year: 2019 -- Model Years: 1974 to 2019
HHDT-DSL (pounds/mile)

| | |
|---|---|
| ROG | 0.000536298 |
| CO | 0.002861711 |
| NOx | 0.008880169 |
| PM10 | 0.00030521 |
| SOx | 4.65082E-05 |

Scenario Year: 2021 -- Model Years: 1976 to 2021
HHDT-DSL (pounds/mile)

| | |
|---|---|
| ROG | 0.000511575 |
| CO | 0.002806516 |
| NOx | 0.007437839 |
| PM10 | 0.000290083 |
| SOx | 4.71563E-05 |

Scenario Year: 2023 -- Model Years: 1978 to 2023
HHDT-DSL (pounds/mile)

| | |
|---|---|
| ROG | 0.00049178 |
| CO | 0.002759354 |
| NOx | 0.00649093 |
| PM10 | 0.000277778 |
| SOx | 4.67687E-05 |

Scenario Year: 2025 -- Model Years: 1980 to 2025
HHDT-DSL (pounds/mile)

| | | |
|---|---|---|
| ROG | 0.000477457 | 0.21657 |
| CO | 0.002716326 | 1.232098 |
| NOx | 0.005821899 | 2.640755 |
| PM10 | 0.000268832 | 0.12194 |
| SOx | 4.62055E-05 | 0.020958 |

| | |
|---|---|
| ROG | 0.000615152 |
| CO | 0.003101515 |
| NOx | 0.012037879 |
| PM10 | 0.000343939 |
| SOx | 4.69697E-05 |

Scenario Year: 2018-- Model Years: 1973 to 2018
HHDT-DSL (pounds/mile)

| | |
|---|---|
| ROG | 0.000558174 |
| CO | 0.002927835 |
| NOx | 0.009786451 |
| PM10 | 0.000316642 |
| SOx | 4.71281E-05 |

Scenario Year: 2020 -- Model Years: 1975 to 2020
HHDT-DSL (pounds/mile)

| | |
|---|---|
| ROG | 0.000517823 |
| CO | 0.002807143 |
| NOx | 0.008101556 |
| PM10 | 0.000295489 |
| SOx | 4.73356E-05 |

Scenario Year: 2022 -- Model Years: 1977 to 2022
HHDT-DSL (pounds/mile)

| | |
|---|---|
| ROG | 0.000501103 |
| CO | 0.002781693 |
| NOx | 0.00692576 |
| PM10 | 0.000283294 |
| SOx | 4.69784E-05 |

Scenario Year: 2024 -- Model Years: 1979 to 2024
HHDT-DSL (pounds/mile)

| | |
|---|---|
| ROG | 0.000483473 |
| CO | 0.002737332 |
| NOx | 0.006125872 |
| PM10 | 0.000273451 |
| SOx | 4.65149E-05 |

# ATTACHMENT B

EMISSIONS RATE CALCULATION
AND SIGMA CALCULATIONS

# On-Road Mobile Souces
# Emission Rate Computaton (2006)

Particulate (PM10)

| | |
|---|---|
| Number of Sources | 210 |
| Link Length (meters) | 2009.7 |
| Volume/Baseline (VPH) | 1 |
| PM10 Vehicular Mass Emission Rate (gr/mi) | 0.331 |

*Emission Rate (gr/sec) = ((Mass Emission Rate x Volume/Baseline)/(1609.3 m/mile) x (3600 sec/hr)) x (Link Length)*

| | |
|---|---|
| Pollutant Emission Rate (gr/sec) | 0.000115 |
| Pollutant Emission Rate (gr/sec/source) | 5.47E-07 |

# On-Road Mobile Souces
# Emission Rate Computaton 2030

Particulate (PM10)

| | |
|---|---|
| Number of Sources | 210 |
| Link Length (meters) | 2009.7 |
| Volume/Baseline (VPH) | 1 |
| PM10 Vehicular Mass Emission Rate (gr/mi) | 0.122 |

*Emission Rate (gr/sec) = ((Mass Emission Rate x Volume/Baseline)/(1609.3 m/mile) x (3600 sec/hr)) x (Link Length)*

| | |
|---|---|
| Pollutant Emission Rate (gr/sec) | 0.000042 |
| Pollutant Emission Rate (gr/sec/source) | 2.01E-07 |

# On-Road Mobile Souces
# Emission Rate Computaton CO-Trucks

Carbon Monoxide (CO)

| | |
|---|---|
| Number of Sources | 210 |
| Link Length (meters) | 2009.7 |
| Volume/Baseline (VPH) | 1 |
| CO Vehicular Mass Emission Rate (gr/mi) | 1.232 |

*Emission Rate (gr/sec) = ((Mass Emission Rate x Volume/Baseline)/(1609.3 m/mile) x (3600 sec/hr)) x (Link Length)*

| | |
|---|---|
| Pollutant Emission Rate (gr/sec) | 0.000427 |
| Pollutant Emission Rate (gr/sec/source) | 2.04E-06 |

# On-Road Mobile Souces
## Emission Rate Computaton CO-Cars

Carbon Monoxide (CO)

| | |
|---|---|
| Number of Sources | 210 |
| Link Length (meters) | 2009.7 |
| Volume/Baseline (VPH) | 1 |
| CO Vehicular Mass Emission Rate (gr/mi) | 1.459 |

*Emission Rate (gr/sec) = ((Mass Emission Rate x Volume/Baseline)/(1609.3 m/mile) x (3600 sec/hr)) x (Link Length)*

| | |
|---|---|
| Pollutant Emission Rate (gr/sec) | 0.000506 |
| Pollutant Emission Rate (gr/sec/source) | 2.41E-06 |

# Initial Sigma Computation

Roadway Link / At Grade

| | |
|---|---|
| Width of Traveled Way (m) | 9.750 |
| Average Wind Speed (m/s) | 2.84 |
| Source Separation Distance (m) | 9.750 |

Initial Vertical Dispersion Parameter (Sigma Z)

$SZ = (1.8 + 0.11(TR)) \times (60/30)^{0.2}$

$TR = W2/U$

*Where:*

*W2 = traveled way half width (m)*

*U = average wind speed (m/s)*

SZ = 2.28

Initial Horizontal Dispersion Parameter (Sigma Y)

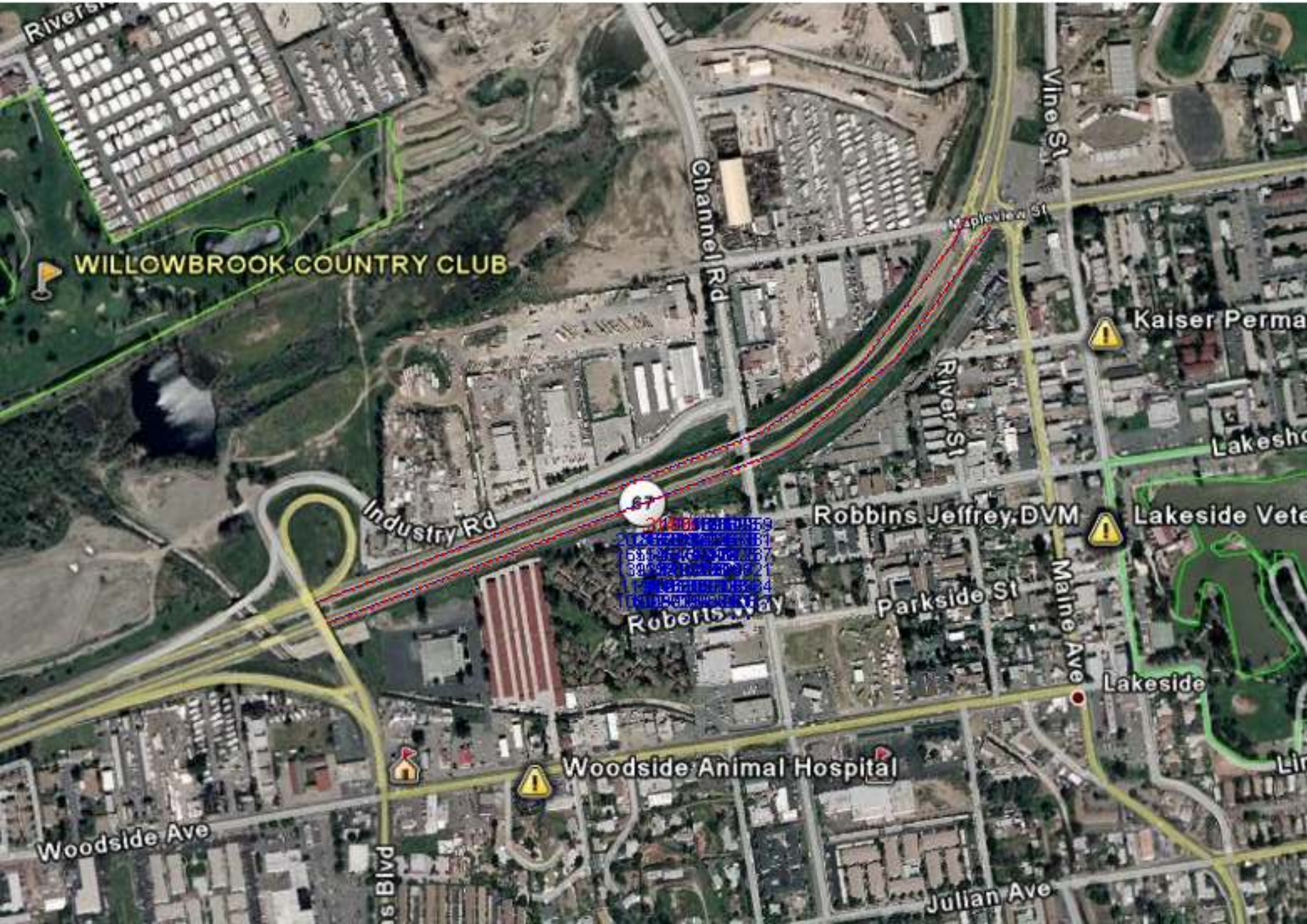
*SY = (source separation distance)/2.15*

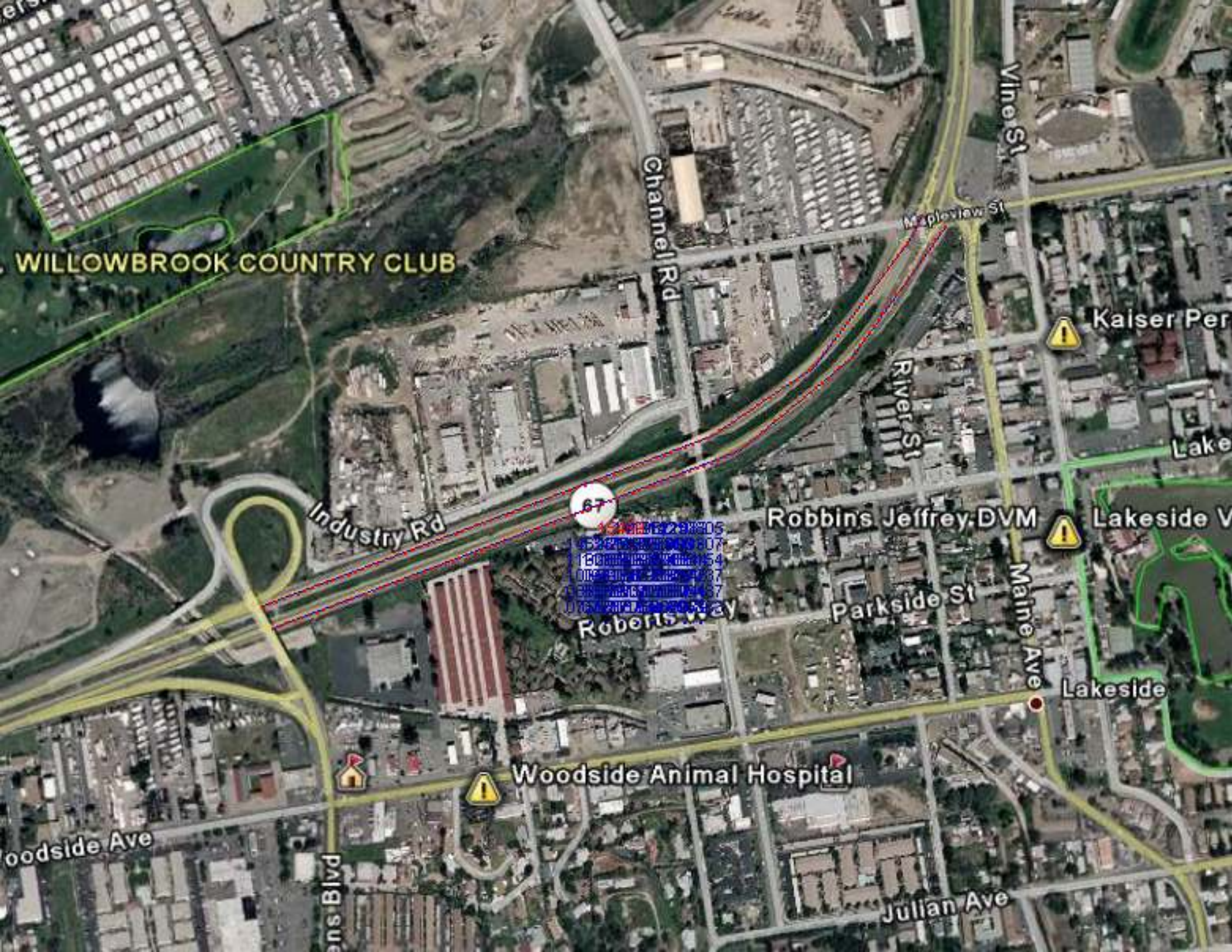
SY = 4.53

Note: 'source separation distance' cannot be less than 'width of traveled way' and must be multiples (e.g., 2x, 3x etc.) of 'width of traveled way' for approximate representation.

**ATTACHMENT C**

ISCST3 SUMMARY OUTPUTS
DIESEL PARTICULATE MATTER
AND AEIRAL PHOTO OF SOURCE
& RECEPTOR LOCATIONS


WILLOWBROOK COUNTRY CLUB
Channel Rd
Vine St
Maplewood St
Kaiser Perma
River St
Industry Rd
Robbins Jeffrey DVM
Lakeside Vete
Parkside St
Maine Ave
Lakeside
Woodside Animal Hospital
Woodside Ave
Julian Ave


WILLOWBROOK COUNTRY CLUB
Channel Rd
Vine St
Maplewood St
Kaiser Per
River St
Lake
Industry Rd
67
Robbins Jeffrey DVM
Lakeside V
Roberts Way
Parkside St
Maine Ave
Lakeside
Woodside Animal Hospital
Julian Ave

*** ISCST3 - VERSION 02035 ***
*** Channel Road DPM HRA ***
*** Model Executed on 11/30/06 at 11:18:13 ***
Input File - U:\UcJobs_04100-04500_04300\04312\BEEST\DPM\2006\DPM-2006_67_OTHER.DTA

Output File - U:\UcJobs_04100-04500_04300\04312\BEEST\DPM\2006\DPM-2006_67_OTHER.LST

Met File - U:\UcAir\Met Data\SD Met Data\Miramar_MCAS\nkx67_71.met

Number of sources - 210
Number of source groups - 1
Number of receptors - 46

*** VOLUME SOURCE DATA ***

| SOURCE ID | NUMBER PART. CATS. | EMISSION RATE (GRAMS/SEC) | X (METERS) | Y (METERS) | BASE ELEV. (METERS) | RELEASE HEIGHT (METERS) | INIT. SY (METERS) | INIT. SZ (METERS) | EMISSION RATE SCALAR VARY BY |
|---|---|---|---|---|---|---|---|---|---|
| 671_0001 | 0 | 0.54700E-06 | 506375.1 | 3635554.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0002 | 0 | 0.54700E-06 | 506384.2 | 3635558.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0003 | 0 | 0.54700E-06 | 506393.4 | 3635561.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0004 | 0 | 0.54700E-06 | 506402.5 | 3635564.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0005 | 0 | 0.54700E-06 | 506411.6 | 3635568.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0006 | 0 | 0.54700E-06 | 506420.7 | 3635571.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0007 | 0 | 0.54700E-06 | 506429.8 | 3635575.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0008 | 0 | 0.54700E-06 | 506438.9 | 3635578.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0009 | 0 | 0.54700E-06 | 506448.1 | 3635582.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0010 | 0 | 0.54700E-06 | 506457.2 | 3635585.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0011 | 0 | 0.54700E-06 | 506466.3 | 3635589.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0012 | 0 | 0.54700E-06 | 506475.4 | 3635592.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0013 | 0 | 0.54700E-06 | 506484.5 | 3635596.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0014 | 0 | 0.54700E-06 | 506493.7 | 3635599.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0015 | 0 | 0.54700E-06 | 506502.8 | 3635602.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0016 | 0 | 0.54700E-06 | 506511.9 | 3635606.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0017 | 0 | 0.54700E-06 | 506521.0 | 3635609.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0018 | 0 | 0.54700E-06 | 506530.1 | 3635613.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0019 | 0 | 0.54700E-06 | 506539.2 | 3635616.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0020 | 0 | 0.54700E-06 | 506548.4 | 3635620.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0021 | 0 | 0.54700E-06 | 506557.5 | 3635623.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0022 | 0 | 0.54700E-06 | 506566.6 | 3635627.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0023 | 0 | 0.54700E-06 | 506575.7 | 3635630.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0024 | 0 | 0.54700E-06 | 506584.8 | 3635634.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0025 | 0 | 0.54700E-06 | 506593.9 | 3635637.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0026 | 0 | 0.54700E-06 | 506603.1 | 3635640.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0027 | 0 | 0.54700E-06 | 506612.2 | 3635644.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0028 | 0 | 0.54700E-06 | 506621.3 | 3635647.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0029 | 0 | 0.54700E-06 | 506630.4 | 3635651.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0030 | 0 | 0.54700E-06 | 506639.5 | 3635654.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0031 | 0 | 0.54700E-06 | 506648.7 | 3635658.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0032 | 0 | 0.54700E-06 | 506657.8 | 3635661.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0033 | 0 | 0.54700E-06 | 506666.9 | 3635665.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0034 | 0 | 0.54700E-06 | 506676.0 | 3635668.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0035 | 0 | 0.54700E-06 | 506685.1 | 3635672.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0036 | 0 | 0.54700E-06 | 506694.2 | 3635675.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0037 | 0 | 0.54700E-06 | 506703.4 | 3635678.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0038 | 0 | 0.54700E-06 | 506712.5 | 3635682.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0039 | 0 | 0.54700E-06 | 506721.6 | 3635685.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0040 | 0 | 0.54700E-06 | 506730.7 | 3635689.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |

*** VOLUME SOURCE DATA ***

| SOURCE ID | NUMBER PART. CATS. | EMISSION RATE (GRAMS/SEC) | X (METERS) | Y (METERS) | BASE ELEV. (METERS) | RELEASE HEIGHT (METERS) | INIT. SY (METERS) | INIT. SZ (METERS) | EMISSION RATE SCALAR VARY BY |
|---|---|---|---|---|---|---|---|---|---|

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 671_0041 | 0 | 0.54700E-06 | 506739.8 | 3635692.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0042 | 0 | 0.54700E-06 | 506748.9 | 3635696.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0043 | 0 | 0.54700E-06 | 506758.1 | 3635699.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0044 | 0 | 0.54700E-06 | 506767.2 | 3635703.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0045 | 0 | 0.54700E-06 | 506776.3 | 3635706.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0046 | 0 | 0.54700E-06 | 506785.4 | 3635710.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0047 | 0 | 0.54700E-06 | 506794.5 | 3635713.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0048 | 0 | 0.54700E-06 | 506803.7 | 3635716.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0049 | 0 | 0.54700E-06 | 506812.8 | 3635720.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0050 | 0 | 0.54700E-06 | 506821.9 | 3635723.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0051 | 0 | 0.54700E-06 | 506831.0 | 3635727.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0052 | 0 | 0.54700E-06 | 506840.1 | 3635730.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0053 | 0 | 0.54700E-06 | 506849.2 | 3635734.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0054 | 0 | 0.54700E-06 | 506858.4 | 3635737.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0055 | 0 | 0.54700E-06 | 506867.5 | 3635741.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0056 | 0 | 0.54700E-06 | 506876.6 | 3635744.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0057 | 0 | 0.54700E-06 | 506885.7 | 3635748.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0058 | 0 | 0.54700E-06 | 506894.8 | 3635751.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0059 | 0 | 0.54700E-06 | 506903.9 | 3635754.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0060 | 0 | 0.54700E-06 | 506913.1 | 3635758.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0061 | 0 | 0.54700E-06 | 506922.2 | 3635761.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0062 | 0 | 0.54700E-06 | 506931.3 | 3635765.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0063 | 0 | 0.54700E-06 | 506940.4 | 3635768.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0064 | 0 | 0.54700E-06 | 506949.2 | 3635773.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0065 | 0 | 0.54700E-06 | 506958.1 | 3635777.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0066 | 0 | 0.54700E-06 | 506966.9 | 3635781.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0067 | 0 | 0.54700E-06 | 506974.7 | 3635787.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0068 | 0 | 0.54700E-06 | 506982.2 | 3635793.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0069 | 0 | 0.54700E-06 | 506989.7 | 3635799.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0070 | 0 | 0.54700E-06 | 506997.2 | 3635805.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0071 | 0 | 0.54700E-06 | 507004.8 | 3635811.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0072 | 0 | 0.54700E-06 | 507012.3 | 3635818.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0073 | 0 | 0.54700E-06 | 507019.8 | 3635824.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0074 | 0 | 0.54700E-06 | 507027.3 | 3635830.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0075 | 0 | 0.54700E-06 | 507034.9 | 3635836.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0076 | 0 | 0.54700E-06 | 507042.4 | 3635842.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0077 | 0 | 0.54700E-06 | 507049.9 | 3635849.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0078 | 0 | 0.54700E-06 | 507057.4 | 3635855.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0079 | 0 | 0.54700E-06 | 507065.0 | 3635861.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0080 | 0 | 0.54700E-06 | 507072.5 | 3635867.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |

*** VOLUME SOURCE DATA ***

| SOURCE ID | NUMBER PART. CATS. | EMISSION RATE (GRAMS/SEC) | X (METERS) | Y (METERS) | BASE ELEV. (METERS) | RELEASE HEIGHT (METERS) | INIT. SY (METERS) | INIT. SZ (METERS) | EMISSION RATE SCALAR VARY BY |
|---|---|---|---|---|---|---|---|---|---|
| 671_0081 | 0 | 0.54700E-06 | 507080.0 | 3635873.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0082 | 0 | 0.54700E-06 | 507087.6 | 3635880.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0083 | 0 | 0.54700E-06 | 507095.1 | 3635886.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0084 | 0 | 0.54700E-06 | 507102.6 | 3635892.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0085 | 0 | 0.54700E-06 | 507109.7 | 3635899.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0086 | 0 | 0.54700E-06 | 507115.4 | 3635906.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0087 | 0 | 0.54700E-06 | 507121.1 | 3635914.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0088 | 0 | 0.54700E-06 | 507126.8 | 3635922.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0089 | 0 | 0.54700E-06 | 507132.4 | 3635930.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0090 | 0 | 0.54700E-06 | 507138.1 | 3635938.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0091 | 0 | 0.54700E-06 | 507143.8 | 3635946.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0092 | 0 | 0.54700E-06 | 507149.4 | 3635954.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0093 | 0 | 0.54700E-06 | 507155.1 | 3635962.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0094 | 0 | 0.54700E-06 | 507160.8 | 3635970.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0095 | 0 | 0.54700E-06 | 507166.5 | 3635978.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0096 | 0 | 0.54700E-06 | 507172.2 | 3635986.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0097 | 0 | 0.54700E-06 | 507177.8 | 3635994.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0098 | 0 | 0.54700E-06 | 507183.5 | 3636002.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0099 | 0 | 0.54700E-06 | 507189.2 | 3636009.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0100 | 0 | 0.54700E-06 | 507194.9 | 3636017.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 671_0101 | 0 | 0.54700E-06 | 507200.6 | 3636025.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0102 | 0 | 0.54700E-06 | 507206.2 | 3636033.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0103 | 0 | 0.54700E-06 | 507211.9 | 3636041.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0104 | 0 | 0.54700E-06 | 507217.6 | 3636049.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0105 | 0 | 0.54700E-06 | 507223.3 | 3636057.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0106 | 0 | 0.54700E-06 | 507229.0 | 3636065.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0001 | 0 | 0.54700E-06 | 506360.6 | 3635582.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0002 | 0 | 0.54700E-06 | 506369.7 | 3635585.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0003 | 0 | 0.54700E-06 | 506378.8 | 3635589.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0004 | 0 | 0.54700E-06 | 506387.9 | 3635592.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0005 | 0 | 0.54700E-06 | 506397.0 | 3635595.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0006 | 0 | 0.54700E-06 | 506406.2 | 3635599.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0007 | 0 | 0.54700E-06 | 506415.2 | 3635602.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0008 | 0 | 0.54700E-06 | 506424.4 | 3635606.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0009 | 0 | 0.54700E-06 | 506433.5 | 3635609.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0010 | 0 | 0.54700E-06 | 506442.6 | 3635613.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0011 | 0 | 0.54700E-06 | 506451.7 | 3635616.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0012 | 0 | 0.54700E-06 | 506460.8 | 3635620.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0013 | 0 | 0.54700E-06 | 506470.0 | 3635623.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0014 | 0 | 0.54700E-06 | 506479.1 | 3635627.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |

*** VOLUME SOURCE DATA ***

| SOURCE ID | NUMBER PART. CATS. | EMISSION RATE (GRAMS/SEC) | X (METERS) | Y (METERS) | BASE ELEV. (METERS) | RELEASE HEIGHT (METERS) | INIT. SY (METERS) | INIT. SZ (METERS) | EMISSION RATE SCALAR VARY BY |
|---|---|---|---|---|---|---|---|---|---|
| 672_0015 | 0 | 0.54700E-06 | 506488.2 | 3635630.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0016 | 0 | 0.54700E-06 | 506497.3 | 3635633.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0017 | 0 | 0.54700E-06 | 506506.4 | 3635637.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0018 | 0 | 0.54700E-06 | 506515.6 | 3635640.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0019 | 0 | 0.54700E-06 | 506524.7 | 3635644.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0020 | 0 | 0.54700E-06 | 506533.8 | 3635647.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0021 | 0 | 0.54700E-06 | 506542.9 | 3635651.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0022 | 0 | 0.54700E-06 | 506552.0 | 3635654.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0023 | 0 | 0.54700E-06 | 506561.1 | 3635658.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0024 | 0 | 0.54700E-06 | 506570.2 | 3635661.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0025 | 0 | 0.54700E-06 | 506579.4 | 3635665.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0026 | 0 | 0.54700E-06 | 506588.5 | 3635668.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0027 | 0 | 0.54700E-06 | 506597.6 | 3635671.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0028 | 0 | 0.54700E-06 | 506606.7 | 3635675.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0029 | 0 | 0.54700E-06 | 506615.8 | 3635678.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0030 | 0 | 0.54700E-06 | 506625.0 | 3635682.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0031 | 0 | 0.54700E-06 | 506634.1 | 3635685.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0032 | 0 | 0.54700E-06 | 506643.2 | 3635689.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0033 | 0 | 0.54700E-06 | 506652.3 | 3635692.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0034 | 0 | 0.54700E-06 | 506661.4 | 3635696.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0035 | 0 | 0.54700E-06 | 506670.6 | 3635699.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0036 | 0 | 0.54700E-06 | 506679.7 | 3635703.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0037 | 0 | 0.54700E-06 | 506688.8 | 3635706.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0038 | 0 | 0.54700E-06 | 506697.9 | 3635709.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0039 | 0 | 0.54700E-06 | 506707.0 | 3635713.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0040 | 0 | 0.54700E-06 | 506716.1 | 3635716.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0041 | 0 | 0.54700E-06 | 506725.2 | 3635720.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0042 | 0 | 0.54700E-06 | 506734.4 | 3635723.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0043 | 0 | 0.54700E-06 | 506743.5 | 3635727.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0044 | 0 | 0.54700E-06 | 506752.6 | 3635730.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0045 | 0 | 0.54700E-06 | 506761.7 | 3635734.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0046 | 0 | 0.54700E-06 | 506770.8 | 3635737.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0047 | 0 | 0.54700E-06 | 506780.0 | 3635741.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0048 | 0 | 0.54700E-06 | 506789.1 | 3635744.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0049 | 0 | 0.54700E-06 | 506798.2 | 3635747.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0050 | 0 | 0.54700E-06 | 506807.3 | 3635751.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0051 | 0 | 0.54700E-06 | 506816.4 | 3635754.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0052 | 0 | 0.54700E-06 | 506825.5 | 3635758.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0053 | 0 | 0.54700E-06 | 506834.7 | 3635761.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0054 | 0 | 0.54700E-06 | 506843.8 | 3635765.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |

*** VOLUME SOURCE DATA ***

| SOURCE ID | NUMBER PART. CATS. | EMISSION RATE (GRAMS/SEC) | X (METERS) | Y (METERS) | BASE ELEV. (METERS) | RELEASE HEIGHT (METERS) | INIT. SY (METERS) | INIT. SZ (METERS) | EMISSION RATE SCALAR VARY BY |
|---|---|---|---|---|---|---|---|---|---|
| 672_0055 | 0 | 0.54700E-06 | 506852.9 | 3635768.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0056 | 0 | 0.54700E-06 | 506862.0 | 3635772.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0057 | 0 | 0.54700E-06 | 506871.1 | 3635775.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0058 | 0 | 0.54700E-06 | 506880.2 | 3635779.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0059 | 0 | 0.54700E-06 | 506889.4 | 3635782.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0060 | 0 | 0.54700E-06 | 506898.5 | 3635785.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0061 | 0 | 0.54700E-06 | 506907.6 | 3635789.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0062 | 0 | 0.54700E-06 | 506916.7 | 3635792.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0063 | 0 | 0.54700E-06 | 506925.8 | 3635796.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0064 | 0 | 0.54700E-06 | 506934.5 | 3635800.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0065 | 0 | 0.54700E-06 | 506942.6 | 3635806.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0066 | 0 | 0.54700E-06 | 506950.7 | 3635811.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0067 | 0 | 0.54700E-06 | 506958.7 | 3635817.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0068 | 0 | 0.54700E-06 | 506966.8 | 3635822.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0069 | 0 | 0.54700E-06 | 506974.9 | 3635827.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0070 | 0 | 0.54700E-06 | 506982.9 | 3635833.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0071 | 0 | 0.54700E-06 | 506991.0 | 3635838.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0072 | 0 | 0.54700E-06 | 506999.1 | 3635844.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0073 | 0 | 0.54700E-06 | 507007.2 | 3635849.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0074 | 0 | 0.54700E-06 | 507015.2 | 3635855.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0075 | 0 | 0.54700E-06 | 507023.3 | 3635860.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0076 | 0 | 0.54700E-06 | 507031.4 | 3635866.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0077 | 0 | 0.54700E-06 | 507039.4 | 3635871.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0078 | 0 | 0.54700E-06 | 507047.5 | 3635877.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0079 | 0 | 0.54700E-06 | 507055.6 | 3635882.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0080 | 0 | 0.54700E-06 | 507062.6 | 3635889.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0081 | 0 | 0.54700E-06 | 507068.5 | 3635897.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0082 | 0 | 0.54700E-06 | 507074.4 | 3635904.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0083 | 0 | 0.54700E-06 | 507080.3 | 3635912.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0084 | 0 | 0.54700E-06 | 507086.2 | 3635920.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0085 | 0 | 0.54700E-06 | 507092.2 | 3635928.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0086 | 0 | 0.54700E-06 | 507098.1 | 3635935.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0087 | 0 | 0.54700E-06 | 507104.0 | 3635943.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0088 | 0 | 0.54700E-06 | 507110.0 | 3635951.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0089 | 0 | 0.54700E-06 | 507115.9 | 3635958.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0090 | 0 | 0.54700E-06 | 507121.8 | 3635966.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0091 | 0 | 0.54700E-06 | 507127.7 | 3635974.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0092 | 0 | 0.54700E-06 | 507133.7 | 3635982.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0093 | 0 | 0.54700E-06 | 507139.6 | 3635989.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0094 | 0 | 0.54700E-06 | 507145.5 | 3635997.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |

*** VOLUME SOURCE DATA ***

| SOURCE ID | NUMBER PART. CATS. | EMISSION RATE (GRAMS/SEC) | X (METERS) | Y (METERS) | BASE ELEV. (METERS) | RELEASE HEIGHT (METERS) | INIT. SY (METERS) | INIT. SZ (METERS) | EMISSION RATE SCALAR VARY BY |
|---|---|---|---|---|---|---|---|---|---|
| 672_0095 | 0 | 0.54700E-06 | 507151.4 | 3636005.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0096 | 0 | 0.54700E-06 | 507157.3 | 3636013.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0097 | 0 | 0.54700E-06 | 507163.3 | 3636020.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0098 | 0 | 0.54700E-06 | 507169.2 | 3636028.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0099 | 0 | 0.54700E-06 | 507175.1 | 3636036.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0100 | 0 | 0.54700E-06 | 507181.1 | 3636044.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0101 | 0 | 0.54700E-06 | 507186.0 | 3636052.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0102 | 0 | 0.54700E-06 | 507190.2 | 3636061.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0103 | 0 | 0.54700E-06 | 507194.4 | 3636070.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0104 | 0 | 0.54700E-06 | 507198.5 | 3636078.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |

*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID SOURCE IDs

ALL 671_0001, 671_0002, 671_0003, 671_0004, 671_0005, 671_0006, 671_0007, 671_0008, 671_0009, 671_0010, 671_0011, 671_0012,

671_0013, 671_0014, 671_0015, 671_0016, 671_0017, 671_0018, 671_0019, 671_0020, 671_0021, 671_0022, 671_0023, 671_0024,

671_0025, 671_0026, 671_0027, 671_0028, 671_0029, 671_0030, 671_0031, 671_0032, 671_0033, 671_0034, 671_0035, 671_0036,

671_0037, 671_0038, 671_0039, 671_0040, 671_0041, 671_0042, 671_0043, 671_0044, 671_0045, 671_0046, 671_0047, 671_0048,

671_0049, 671_0050, 671_0051, 671_0052, 671_0053, 671_0054, 671_0055, 671_0056, 671_0057, 671_0058, 671_0059, 671_0060,

671_0061, 671_0062, 671_0063, 671_0064, 671_0065, 671_0066, 671_0067, 671_0068, 671_0069, 671_0070, 671_0071, 671_0072,

671_0073, 671_0074, 671_0075, 671_0076, 671_0077, 671_0078, 671_0079, 671_0080, 671_0081, 671_0082, 671_0083, 671_0084,

671_0085, 671_0086, 671_0087, 671_0088, 671_0089, 671_0090, 671_0091, 671_0092, 671_0093, 671_0094, 671_0095, 671_0096,

671_0097, 671_0098, 671_0099, 671_0100, 671_0101, 671_0102, 671_0103, 671_0104, 671_0105, 671_0106, 672_0001, 672_0002,

672_0003, 672_0004, 672_0005, 672_0006, 672_0007, 672_0008, 672_0009, 672_0010, 672_0011, 672_0012, 672_0013, 672_0014,

672_0015, 672_0016, 672_0017, 672_0018, 672_0019, 672_0020, 672_0021, 672_0022, 672_0023, 672_0024, 672_0025, 672_0026,

672_0027, 672_0028, 672_0029, 672_0030, 672_0031, 672_0032, 672_0033, 672_0034, 672_0035, 672_0036, 672_0037, 672_0038,

672_0039, 672_0040, 672_0041, 672_0042, 672_0043, 672_0044, 672_0045, 672_0046, 672_0047, 672_0048, 672_0049, 672_0050,

672_0051, 672_0052, 672_0053, 672_0054, 672_0055, 672_0056, 672_0057, 672_0058, 672_0059, 672_0060, 672_0061, 672_0062,

672_0063, 672_0064, 672_0065, 672_0066, 672_0067, 672_0068, 672_0069, 672_0070, 672_0071, 672_0072, 672_0073, 672_0074,

672_0075, 672_0076, 672_0077, 672_0078, 672_0079, 672_0080, 672_0081, 672_0082, 672_0083, 672_0084, 672_0085, 672_0086,

672_0087, 672_0088, 672_0089, 672_0090, 672_0091, 672_0092, 672_0093, 672_0094, 672_0095, 672_0096, 672_0097, 672_0098,

672_0099, 672_0100, 672_0101, 672_0102, 672_0103, 672_0104,

*** THE SUMMARY OF MAXIMUM PERIOD ( 43824 HRS) RESULTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

| GROUP ID | AVERAGE CONC | NETWORK RECEPTOR (XR, YR, ZELEV, ZFLAG) | OF TYPE | GRID-ID |
|---|---|---|---|---|
| ALL | 1ST HIGHEST VALUE IS | 0.15459 AT ( 506817.19, 3635661.75, 0.00, 1.50) | DC | NA |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 2ND HIGHEST VALUE IS | 0.14623 AT ( | 506777.19, | 3635641.75, | 0.00, | 1.50) | DC | NA |
| 3RD HIGHEST VALUE IS | 0.14195 AT ( | 506837.19, | 3635661.75, | 0.00, | 1.50) | DC | NA |
| 4TH HIGHEST VALUE IS | 0.13479 AT ( | 506797.19, | 3635641.75, | 0.00, | 1.50) | DC | NA |
| 5TH HIGHEST VALUE IS | 0.13142 AT ( | 506857.19, | 3635661.75, | 0.00, | 1.50) | DC | NA |
| 6TH HIGHEST VALUE IS | 0.12513 AT ( | 506817.19, | 3635641.75, | 0.00, | 1.50) | DC | NA |
| 7TH HIGHEST VALUE IS | 0.12250 AT ( | 506877.19, | 3635661.75, | 0.00, | 1.50) | DC | NA |
| 8TH HIGHEST VALUE IS | 0.11925 AT ( | 506777.19, | 3635621.75, | 0.00, | 1.50) | DC | NA |
| 9TH HIGHEST VALUE IS | 0.11689 AT ( | 506837.19, | 3635641.75, | 0.00, | 1.50) | DC | NA |
| 10TH HIGHEST VALUE IS | 0.11482 AT ( | 506897.19, | 3635661.75, | 0.00, | 1.50) | DC | NA |

*** ISCST3 - VERSION 02035 ***
*** Channel Road DPM HRA ***
*** Model Executed on 11/22/06 at 15:06:51 ***
Input File - U:\UcJobs_04100-04500_04300\04312\BEEST\DPM\DPM_67_OTHER.DTA

Output File - U:\UcJobs_04100-04500_04300\04312\BEEST\DPM\DPM_67_OTHER.LST

Met File - U:\UcAir\Met Data\SD Met Data\Miramar_MCAS\nkx67_71.met

Number of sources - 210
Number of source groups - 1
Number of receptors - 46

*** VOLUME SOURCE DATA ***

| SOURCE ID | NUMBER PART. CATS. | EMISSION RATE (GRAMS/SEC) | X (METERS) | Y (METERS) | BASE ELEV. (METERS) | RELEASE HEIGHT (METERS) | INIT. SY (METERS) | INIT. SZ (METERS) | EMISSION RATE SCALAR VARY BY |
|---|---|---|---|---|---|---|---|---|---|
| 671_0001 | 0 | 0.20100E-06 | 506375.1 | 3635554.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0002 | 0 | 0.20100E-06 | 506384.2 | 3635558.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0003 | 0 | 0.20100E-06 | 506393.4 | 3635561.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0004 | 0 | 0.20100E-06 | 506402.5 | 3635564.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0005 | 0 | 0.20100E-06 | 506411.6 | 3635568.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0006 | 0 | 0.20100E-06 | 506420.7 | 3635571.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0007 | 0 | 0.20100E-06 | 506429.8 | 3635575.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0008 | 0 | 0.20100E-06 | 506438.9 | 3635578.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0009 | 0 | 0.20100E-06 | 506448.1 | 3635582.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0010 | 0 | 0.20100E-06 | 506457.2 | 3635585.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0011 | 0 | 0.20100E-06 | 506466.3 | 3635589.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0012 | 0 | 0.20100E-06 | 506475.4 | 3635592.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0013 | 0 | 0.20100E-06 | 506484.5 | 3635596.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0014 | 0 | 0.20100E-06 | 506493.7 | 3635599.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0015 | 0 | 0.20100E-06 | 506502.8 | 3635602.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0016 | 0 | 0.20100E-06 | 506511.9 | 3635606.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0017 | 0 | 0.20100E-06 | 506521.0 | 3635609.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0018 | 0 | 0.20100E-06 | 506530.1 | 3635613.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0019 | 0 | 0.20100E-06 | 506539.2 | 3635616.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0020 | 0 | 0.20100E-06 | 506548.4 | 3635620.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0021 | 0 | 0.20100E-06 | 506557.5 | 3635623.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0022 | 0 | 0.20100E-06 | 506566.6 | 3635627.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0023 | 0 | 0.20100E-06 | 506575.7 | 3635630.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0024 | 0 | 0.20100E-06 | 506584.8 | 3635634.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0025 | 0 | 0.20100E-06 | 506593.9 | 3635637.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0026 | 0 | 0.20100E-06 | 506603.1 | 3635640.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0027 | 0 | 0.20100E-06 | 506612.2 | 3635644.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0028 | 0 | 0.20100E-06 | 506621.3 | 3635647.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0029 | 0 | 0.20100E-06 | 506630.4 | 3635651.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0030 | 0 | 0.20100E-06 | 506639.5 | 3635654.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0031 | 0 | 0.20100E-06 | 506648.7 | 3635658.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0032 | 0 | 0.20100E-06 | 506657.8 | 3635661.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0033 | 0 | 0.20100E-06 | 506666.9 | 3635665.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0034 | 0 | 0.20100E-06 | 506676.0 | 3635668.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0035 | 0 | 0.20100E-06 | 506685.1 | 3635672.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0036 | 0 | 0.20100E-06 | 506694.2 | 3635675.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0037 | 0 | 0.20100E-06 | 506703.4 | 3635678.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0038 | 0 | 0.20100E-06 | 506712.5 | 3635682.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0039 | 0 | 0.20100E-06 | 506721.6 | 3635685.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0040 | 0 | 0.20100E-06 | 506730.7 | 3635689.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |

*** VOLUME SOURCE DATA ***

| SOURCE ID | NUMBER PART. CATS. | EMISSION RATE (GRAMS/SEC) | X (METERS) | Y (METERS) | BASE ELEV. (METERS) | RELEASE HEIGHT (METERS) | INIT. SY (METERS) | INIT. SZ (METERS) | EMISSION RATE SCALAR VARY BY |
|---|---|---|---|---|---|---|---|---|---|

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 671_0041 | 0 | 0.20100E-06 | 506739.8 | 3635692.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0042 | 0 | 0.20100E-06 | 506748.9 | 3635696.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0043 | 0 | 0.20100E-06 | 506758.1 | 3635699.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0044 | 0 | 0.20100E-06 | 506767.2 | 3635703.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0045 | 0 | 0.20100E-06 | 506776.3 | 3635706.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0046 | 0 | 0.20100E-06 | 506785.4 | 3635710.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0047 | 0 | 0.20100E-06 | 506794.5 | 3635713.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0048 | 0 | 0.20100E-06 | 506803.7 | 3635716.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0049 | 0 | 0.20100E-06 | 506812.8 | 3635720.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0050 | 0 | 0.20100E-06 | 506821.9 | 3635723.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0051 | 0 | 0.20100E-06 | 506831.0 | 3635727.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0052 | 0 | 0.20100E-06 | 506840.1 | 3635730.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0053 | 0 | 0.20100E-06 | 506849.2 | 3635734.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0054 | 0 | 0.20100E-06 | 506858.4 | 3635737.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0055 | 0 | 0.20100E-06 | 506867.5 | 3635741.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0056 | 0 | 0.20100E-06 | 506876.6 | 3635744.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0057 | 0 | 0.20100E-06 | 506885.7 | 3635748.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0058 | 0 | 0.20100E-06 | 506894.8 | 3635751.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0059 | 0 | 0.20100E-06 | 506903.9 | 3635754.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0060 | 0 | 0.20100E-06 | 506913.1 | 3635758.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0061 | 0 | 0.20100E-06 | 506922.2 | 3635761.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0062 | 0 | 0.20100E-06 | 506931.3 | 3635765.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0063 | 0 | 0.20100E-06 | 506940.4 | 3635768.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0064 | 0 | 0.20100E-06 | 506949.2 | 3635773.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0065 | 0 | 0.20100E-06 | 506958.1 | 3635777.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0066 | 0 | 0.20100E-06 | 506966.9 | 3635781.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0067 | 0 | 0.20100E-06 | 506974.7 | 3635787.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0068 | 0 | 0.20100E-06 | 506982.2 | 3635793.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0069 | 0 | 0.20100E-06 | 506989.7 | 3635799.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0070 | 0 | 0.20100E-06 | 506997.2 | 3635805.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0071 | 0 | 0.20100E-06 | 507004.8 | 3635811.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0072 | 0 | 0.20100E-06 | 507012.3 | 3635818.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0073 | 0 | 0.20100E-06 | 507019.8 | 3635824.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0074 | 0 | 0.20100E-06 | 507027.3 | 3635830.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0075 | 0 | 0.20100E-06 | 507034.9 | 3635836.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0076 | 0 | 0.20100E-06 | 507042.4 | 3635842.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0077 | 0 | 0.20100E-06 | 507049.9 | 3635849.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0078 | 0 | 0.20100E-06 | 507057.4 | 3635855.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0079 | 0 | 0.20100E-06 | 507065.0 | 3635861.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0080 | 0 | 0.20100E-06 | 507072.5 | 3635867.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |

*** VOLUME SOURCE DATA ***

| SOURCE ID | NUMBER PART. CATS. | EMISSION RATE (GRAMS/SEC) | X (METERS) | Y (METERS) | BASE ELEV. (METERS) | RELEASE HEIGHT (METERS) | INIT. SY (METERS) | INIT. SZ (METERS) | EMISSION RATE SCALAR VARY BY |
|---|---|---|---|---|---|---|---|---|---|
| 671_0081 | 0 | 0.20100E-06 | 507080.0 | 3635873.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0082 | 0 | 0.20100E-06 | 507087.6 | 3635880.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0083 | 0 | 0.20100E-06 | 507095.1 | 3635886.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0084 | 0 | 0.20100E-06 | 507102.6 | 3635892.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0085 | 0 | 0.20100E-06 | 507109.7 | 3635899.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0086 | 0 | 0.20100E-06 | 507115.4 | 3635906.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0087 | 0 | 0.20100E-06 | 507121.1 | 3635914.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0088 | 0 | 0.20100E-06 | 507126.8 | 3635922.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0089 | 0 | 0.20100E-06 | 507132.4 | 3635930.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0090 | 0 | 0.20100E-06 | 507138.1 | 3635938.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0091 | 0 | 0.20100E-06 | 507143.8 | 3635946.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0092 | 0 | 0.20100E-06 | 507149.4 | 3635954.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0093 | 0 | 0.20100E-06 | 507155.1 | 3635962.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0094 | 0 | 0.20100E-06 | 507160.8 | 3635970.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0095 | 0 | 0.20100E-06 | 507166.5 | 3635978.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0096 | 0 | 0.20100E-06 | 507172.2 | 3635986.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0097 | 0 | 0.20100E-06 | 507177.8 | 3635994.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0098 | 0 | 0.20100E-06 | 507183.5 | 3636002.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0099 | 0 | 0.20100E-06 | 507189.2 | 3636009.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0100 | 0 | 0.20100E-06 | 507194.9 | 3636017.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 671_0101 | 0 | 0.20100E-06 | 507200.6 | 3636025.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0102 | 0 | 0.20100E-06 | 507206.2 | 3636033.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0103 | 0 | 0.20100E-06 | 507211.9 | 3636041.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0104 | 0 | 0.20100E-06 | 507217.6 | 3636049.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0105 | 0 | 0.20100E-06 | 507223.3 | 3636057.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0106 | 0 | 0.20100E-06 | 507229.0 | 3636065.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0001 | 0 | 0.20100E-06 | 506360.6 | 3635582.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0002 | 0 | 0.20100E-06 | 506369.7 | 3635585.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0003 | 0 | 0.20100E-06 | 506378.8 | 3635589.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0004 | 0 | 0.20100E-06 | 506387.9 | 3635592.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0005 | 0 | 0.20100E-06 | 506397.0 | 3635595.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0006 | 0 | 0.20100E-06 | 506406.2 | 3635599.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0007 | 0 | 0.20100E-06 | 506415.2 | 3635602.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0008 | 0 | 0.20100E-06 | 506424.4 | 3635606.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0009 | 0 | 0.20100E-06 | 506433.5 | 3635609.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0010 | 0 | 0.20100E-06 | 506442.6 | 3635613.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0011 | 0 | 0.20100E-06 | 506451.7 | 3635616.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0012 | 0 | 0.20100E-06 | 506460.8 | 3635620.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0013 | 0 | 0.20100E-06 | 506470.0 | 3635623.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0014 | 0 | 0.20100E-06 | 506479.1 | 3635627.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |

*** VOLUME SOURCE DATA ***

| SOURCE ID | NUMBER PART. CATS. | EMISSION RATE (GRAMS/SEC) | X (METERS) | Y (METERS) | BASE ELEV. (METERS) | RELEASE HEIGHT (METERS) | INIT. SY (METERS) | INIT. SZ (METERS) | EMISSION RATE SCALAR VARY BY |
|---|---|---|---|---|---|---|---|---|---|
| 672_0015 | 0 | 0.20100E-06 | 506488.2 | 3635630.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0016 | 0 | 0.20100E-06 | 506497.3 | 3635633.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0017 | 0 | 0.20100E-06 | 506506.4 | 3635637.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0018 | 0 | 0.20100E-06 | 506515.6 | 3635640.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0019 | 0 | 0.20100E-06 | 506524.7 | 3635644.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0020 | 0 | 0.20100E-06 | 506533.8 | 3635647.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0021 | 0 | 0.20100E-06 | 506542.9 | 3635651.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0022 | 0 | 0.20100E-06 | 506552.0 | 3635654.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0023 | 0 | 0.20100E-06 | 506561.1 | 3635658.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0024 | 0 | 0.20100E-06 | 506570.2 | 3635661.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0025 | 0 | 0.20100E-06 | 506579.4 | 3635665.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0026 | 0 | 0.20100E-06 | 506588.5 | 3635668.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0027 | 0 | 0.20100E-06 | 506597.6 | 3635671.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0028 | 0 | 0.20100E-06 | 506606.7 | 3635675.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0029 | 0 | 0.20100E-06 | 506615.8 | 3635678.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0030 | 0 | 0.20100E-06 | 506625.0 | 3635682.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0031 | 0 | 0.20100E-06 | 506634.1 | 3635685.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0032 | 0 | 0.20100E-06 | 506643.2 | 3635689.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0033 | 0 | 0.20100E-06 | 506652.3 | 3635692.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0034 | 0 | 0.20100E-06 | 506661.4 | 3635696.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0035 | 0 | 0.20100E-06 | 506670.6 | 3635699.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0036 | 0 | 0.20100E-06 | 506679.7 | 3635703.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0037 | 0 | 0.20100E-06 | 506688.8 | 3635706.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0038 | 0 | 0.20100E-06 | 506697.9 | 3635709.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0039 | 0 | 0.20100E-06 | 506707.0 | 3635713.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0040 | 0 | 0.20100E-06 | 506716.1 | 3635716.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0041 | 0 | 0.20100E-06 | 506725.2 | 3635720.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0042 | 0 | 0.20100E-06 | 506734.4 | 3635723.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0043 | 0 | 0.20100E-06 | 506743.5 | 3635727.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0044 | 0 | 0.20100E-06 | 506752.6 | 3635730.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0045 | 0 | 0.20100E-06 | 506761.7 | 3635734.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0046 | 0 | 0.20100E-06 | 506770.8 | 3635737.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0047 | 0 | 0.20100E-06 | 506780.0 | 3635741.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0048 | 0 | 0.20100E-06 | 506789.1 | 3635744.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0049 | 0 | 0.20100E-06 | 506798.2 | 3635747.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0050 | 0 | 0.20100E-06 | 506807.3 | 3635751.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0051 | 0 | 0.20100E-06 | 506816.4 | 3635754.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0052 | 0 | 0.20100E-06 | 506825.5 | 3635758.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0053 | 0 | 0.20100E-06 | 506834.7 | 3635761.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0054 | 0 | 0.20100E-06 | 506843.8 | 3635765.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |

*** VOLUME SOURCE DATA ***

| SOURCE ID | NUMBER PART. CATS. | EMISSION RATE (GRAMS/SEC) | X (METERS) | Y (METERS) | BASE ELEV. (METERS) | RELEASE HEIGHT (METERS) | INIT. SY (METERS) | INIT. SZ (METERS) | EMISSION RATE SCALAR VARY BY |
|---|---|---|---|---|---|---|---|---|---|
| 672_0055 | 0 | 0.20100E-06 | 506852.9 | 3635768.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0056 | 0 | 0.20100E-06 | 506862.0 | 3635772.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0057 | 0 | 0.20100E-06 | 506871.1 | 3635775.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0058 | 0 | 0.20100E-06 | 506880.2 | 3635779.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0059 | 0 | 0.20100E-06 | 506889.4 | 3635782.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0060 | 0 | 0.20100E-06 | 506898.5 | 3635785.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0061 | 0 | 0.20100E-06 | 506907.6 | 3635789.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0062 | 0 | 0.20100E-06 | 506916.7 | 3635792.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0063 | 0 | 0.20100E-06 | 506925.8 | 3635796.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0064 | 0 | 0.20100E-06 | 506934.5 | 3635800.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0065 | 0 | 0.20100E-06 | 506942.6 | 3635806.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0066 | 0 | 0.20100E-06 | 506950.7 | 3635811.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0067 | 0 | 0.20100E-06 | 506958.7 | 3635817.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0068 | 0 | 0.20100E-06 | 506966.8 | 3635822.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0069 | 0 | 0.20100E-06 | 506974.9 | 3635827.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0070 | 0 | 0.20100E-06 | 506982.9 | 3635833.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0071 | 0 | 0.20100E-06 | 506991.0 | 3635838.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0072 | 0 | 0.20100E-06 | 506999.1 | 3635844.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0073 | 0 | 0.20100E-06 | 507007.2 | 3635849.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0074 | 0 | 0.20100E-06 | 507015.2 | 3635855.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0075 | 0 | 0.20100E-06 | 507023.3 | 3635860.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0076 | 0 | 0.20100E-06 | 507031.4 | 3635866.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0077 | 0 | 0.20100E-06 | 507039.4 | 3635871.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0078 | 0 | 0.20100E-06 | 507047.5 | 3635877.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0079 | 0 | 0.20100E-06 | 507055.6 | 3635882.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0080 | 0 | 0.20100E-06 | 507062.6 | 3635889.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0081 | 0 | 0.20100E-06 | 507068.5 | 3635897.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0082 | 0 | 0.20100E-06 | 507074.4 | 3635904.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0083 | 0 | 0.20100E-06 | 507080.3 | 3635912.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0084 | 0 | 0.20100E-06 | 507086.2 | 3635920.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0085 | 0 | 0.20100E-06 | 507092.2 | 3635928.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0086 | 0 | 0.20100E-06 | 507098.1 | 3635935.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0087 | 0 | 0.20100E-06 | 507104.0 | 3635943.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0088 | 0 | 0.20100E-06 | 507110.0 | 3635951.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0089 | 0 | 0.20100E-06 | 507115.9 | 3635958.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0090 | 0 | 0.20100E-06 | 507121.8 | 3635966.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0091 | 0 | 0.20100E-06 | 507127.7 | 3635974.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0092 | 0 | 0.20100E-06 | 507133.7 | 3635982.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0093 | 0 | 0.20100E-06 | 507139.6 | 3635989.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0094 | 0 | 0.20100E-06 | 507145.5 | 3635997.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |

*** VOLUME SOURCE DATA ***

| SOURCE ID | NUMBER PART. CATS. | EMISSION RATE (GRAMS/SEC) | X (METERS) | Y (METERS) | BASE ELEV. (METERS) | RELEASE HEIGHT (METERS) | INIT. SY (METERS) | INIT. SZ (METERS) | EMISSION RATE SCALAR VARY BY |
|---|---|---|---|---|---|---|---|---|---|
| 672_0095 | 0 | 0.20100E-06 | 507151.4 | 3636005.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0096 | 0 | 0.20100E-06 | 507157.3 | 3636013.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0097 | 0 | 0.20100E-06 | 507163.3 | 3636020.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0098 | 0 | 0.20100E-06 | 507169.2 | 3636028.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0099 | 0 | 0.20100E-06 | 507175.1 | 3636036.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0100 | 0 | 0.20100E-06 | 507181.1 | 3636044.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0101 | 0 | 0.20100E-06 | 507186.0 | 3636052.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0102 | 0 | 0.20100E-06 | 507190.2 | 3636061.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0103 | 0 | 0.20100E-06 | 507194.4 | 3636070.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0104 | 0 | 0.20100E-06 | 507198.5 | 3636078.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |

*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID SOURCE IDs

ALL 671_0001, 671_0002, 671_0003, 671_0004, 671_0005, 671_0006, 671_0007, 671_0008, 671_0009, 671_0010, 671_0011, 671_0012,

671_0013, 671_0014, 671_0015, 671_0016, 671_0017, 671_0018, 671_0019, 671_0020, 671_0021, 671_0022, 671_0023, 671_0024,

671_0025, 671_0026, 671_0027, 671_0028, 671_0029, 671_0030, 671_0031, 671_0032, 671_0033, 671_0034, 671_0035, 671_0036,

671_0037, 671_0038, 671_0039, 671_0040, 671_0041, 671_0042, 671_0043, 671_0044, 671_0045, 671_0046, 671_0047, 671_0048,

671_0049, 671_0050, 671_0051, 671_0052, 671_0053, 671_0054, 671_0055, 671_0056, 671_0057, 671_0058, 671_0059, 671_0060,

671_0061, 671_0062, 671_0063, 671_0064, 671_0065, 671_0066, 671_0067, 671_0068, 671_0069, 671_0070, 671_0071, 671_0072,

671_0073, 671_0074, 671_0075, 671_0076, 671_0077, 671_0078, 671_0079, 671_0080, 671_0081, 671_0082, 671_0083, 671_0084,

671_0085, 671_0086, 671_0087, 671_0088, 671_0089, 671_0090, 671_0091, 671_0092, 671_0093, 671_0094, 671_0095, 671_0096,

671_0097, 671_0098, 671_0099, 671_0100, 671_0101, 671_0102, 671_0103, 671_0104, 671_0105, 671_0106, 672_0001, 672_0002,

672_0003, 672_0004, 672_0005, 672_0006, 672_0007, 672_0008, 672_0009, 672_0010, 672_0011, 672_0012, 672_0013, 672_0014,

672_0015, 672_0016, 672_0017, 672_0018, 672_0019, 672_0020, 672_0021, 672_0022, 672_0023, 672_0024, 672_0025, 672_0026,

672_0027, 672_0028, 672_0029, 672_0030, 672_0031, 672_0032, 672_0033, 672_0034, 672_0035, 672_0036, 672_0037, 672_0038,

672_0039, 672_0040, 672_0041, 672_0042, 672_0043, 672_0044, 672_0045, 672_0046, 672_0047, 672_0048, 672_0049, 672_0050,

672_0051, 672_0052, 672_0053, 672_0054, 672_0055, 672_0056, 672_0057, 672_0058, 672_0059, 672_0060, 672_0061, 672_0062,

672_0063, 672_0064, 672_0065, 672_0066, 672_0067, 672_0068, 672_0069, 672_0070, 672_0071, 672_0072, 672_0073, 672_0074,

672_0075, 672_0076, 672_0077, 672_0078, 672_0079, 672_0080, 672_0081, 672_0082, 672_0083, 672_0084, 672_0085, 672_0086,

672_0087, 672_0088, 672_0089, 672_0090, 672_0091, 672_0092, 672_0093, 672_0094, 672_0095, 672_0096, 672_0097, 672_0098,

672_0099, 672_0100, 672_0101, 672_0102, 672_0103, 672_0104,

*** THE SUMMARY OF MAXIMUM PERIOD ( 43824 HRS) RESULTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

| GROUP ID | AVERAGE CONC | NETWORK RECEPTOR (XR, YR, ZELEV, ZFLAG) | OF TYPE | GRID-ID |
|---|---|---|---|---|
| ALL | 1ST HIGHEST VALUE IS | 0.21405 AT ( 506817.19, 3635661.75, 0.00, 1.50) | DC | NA |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 2ND HIGHEST VALUE IS | 0.20246 AT ( | 506777.19, | 3635641.75, | 0.00, | 1.50) | DC | NA |
| 3RD HIGHEST VALUE IS | 0.19655 AT ( | 506837.19, | 3635661.75, | 0.00, | 1.50) | DC | NA |
| 4TH HIGHEST VALUE IS | 0.18666 AT ( | 506797.19, | 3635641.75, | 0.00, | 1.50) | DC | NA |
| 5TH HIGHEST VALUE IS | 0.18198 AT ( | 506857.19, | 3635661.75, | 0.00, | 1.50) | DC | NA |
| 6TH HIGHEST VALUE IS | 0.17326 AT ( | 506817.19, | 3635641.75, | 0.00, | 1.50) | DC | NA |
| 7TH HIGHEST VALUE IS | 0.16962 AT ( | 506877.19, | 3635661.75, | 0.00, | 1.50) | DC | NA |
| 8TH HIGHEST VALUE IS | 0.16512 AT ( | 506777.19, | 3635621.75, | 0.00, | 1.50) | DC | NA |
| 9TH HIGHEST VALUE IS | 0.16185 AT ( | 506837.19, | 3635641.75, | 0.00, | 1.50) | DC | NA |
| 10TH HIGHEST VALUE IS | 0.15898 AT ( | 506897.19, | 3635661.75, | 0.00, | 1.50) | DC | NA |

**Quantification of Carcinogenic Risks and Noncarcinogenic Hazards (Maximum Year 2006)**

| Source | Maximum Concentration | | Weight Fraction | Contaminant | Carcinogenic Risk | | | Noncarcinogenic Hazards | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | (ug/m3) | (mg/m3) | | | URF (ug/m3) | CPF (mg/kg/day) | RISK | REL (ug/m3) | RfD (mg/kg/day) | Index |
| (a) | (b) | (c) | (d) | (e) | (f) | (g) | (h) | (i) | (j) | (k) |
| Diesel | 0.15459 | 1.5E-04 | 1.00E+00 | Particulates | 3.0E-04 | 1.1E+00 | 4.6E-05 | 5.0E+00 | 1.4E-03 | 3.1E-02 |

Note: Exposure factors used to calculate contaminant intake

| | |
|---|---|
| exposure frequency (days/year) | 365 |
| exposure duration (years) | 70.0 |
| inhalation rate (m3/day) | 20.0 |
| average body weight (kg) | 70 |
| averaging time$_{(cancer)}$ (days) | 25550 |
| averaging time$_{(noncancer)}$ (days) | 25550 |

**Quantification of Carcinogenic Risks and Noncarcinogenic Hazards (Minimum Year 2006)**

| Source | Maximum Concentration | | Weight Fraction | Contaminant | Carcinogenic Risk | | | Noncarcinogenic Hazards | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | (ug/m3) | (mg/m3) | | | URF (ug/m3) | CPF (mg/kg/day) | RISK | REL (ug/m3) | RfD (mg/kg/day) | Index |
| (a) | (b) | (c) | (d) | (e) | (f) | (g) | (h) | (i) | (j) | (k) |
| Diesel | 0.05863 | 5.9E-05 | 1.00E+00 | Particulates | 3.0E-04 | 1.1E+00 | 1.8E-05 | 5.0E+00 | 1.4E-03 | 1.2E-02 |

Note: Exposure factors used to calculate contaminant intake

| | |
|---|---|
| exposure frequency (days/year) | 365 |
| exposure duration (years) | 70.0 |
| inhalation rate (m3/day) | 20.0 |
| average body weight (kg) | 70 |
| averaging time$_{(cancer)}$ (days) | 25550 |
| averaging time$_{(noncancer)}$ (days) | 25550 |

**Quantification of Carcinogenic Risks and Noncarcinogenic Hazards (Maximum Year 2030)**

| Source | Maximum Concentration | | Weight Fraction | Contaminant | Carcinogenic Risk | | | Noncarcinogenic Hazards | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | (ug/m3) | (mg/m3) | | | URF (ug/m3) | CPF (mg/kg/day) | RISK | REL (ug/m3) | RfD (mg/kg/day) | Index |
| (a) | (b) | (c) | (d) | (e) | (f) | (g) | (h) | (i) | (j) | (k) |
| Diesel | 0.21405 | 2.1E-04 | 1.00E+00 | Particulates | 3.0E-04 | 1.1E+00 | 6.4E-05 | 5.0E+00 | 1.4E-03 | 4.3E-02 |

Note: Exposure factors used to calculate contaminant intake

| | |
|---|---|
| exposure frequency (days/year) | 365 |
| exposure duration (years) | 70.0 |
| inhalation rate (m3/day) | 20.0 |
| average body weight (kg) | 70 |
| averaging time$_{(cancer)}$ (days) | 25550 |
| averaging time$_{(noncancer)}$ (days) | 25550 |

**Quantification of Carcinogenic Risks and Noncarcinogenic Hazards (Minimum Year 2030)**

| Source | Maximum Concentration | | Weight Fraction | Contaminant | Carcinogenic Risk | | | Noncarcinogenic Hazards | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | (ug/m3) | (mg/m3) | | | URF (ug/m3) | CPF (mg/kg/day) | RISK | REL (ug/m3) | RfD (mg/kg/day) | Index |
| (a) | (b) | (c) | (d) | (e) | (f) | (g) | (h) | (i) | (j) | (k) |
| Diesel | 0.08117 | 8.1E-05 | 1.00E+00 | Particulates | 3.0E-04 | 1.1E+00 | 2.4E-05 | 5.0E+00 | 1.4E-03 | 1.6E-02 |

Note: Exposure factors used to calculate contaminant intake

| | |
|---|---|
| exposure frequency (days/year) | 365 |
| exposure duration (years) | 70.0 |
| inhalation rate (m3/day) | 20.0 |
| average body weight (kg) | 70 |
| averaging time$_{(cancer)}$ (days) | 25550 |
| averaging time$_{(noncancer)}$ (days) | 25550 |

**Quantification of Carcinogenic Risks and Noncarcinogenic Hazards (Maximum Year 2006)--9YR**

| Source | Maximum Concentration | | Weight Fraction | Contaminant | Carcinogenic Risk | | | Noncarcinogenic Hazards | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | (ug/m3) | (mg/m3) | | | URF (ug/m3) | CPF (mg/kg/day) | RISK | REL (ug/m3) | RfD (mg/kg/day) | Index |
| (a) | (b) | (c) | (d) | (e) | (f) | (g) | (h) | (i) | (j) | (k) |
| Diesel | 0.15459 | 1.5E-04 | 1.00E+00 | Particulates | 3.0E-04 | 1.1E+00 | 6.0E-06 | 5.0E+00 | 1.4E-03 | 3.1E-02 |

Note: Exposure factors used to calculate contaminant intake

| | |
|---|---|
| exposure frequency (days/year) | 365 |
| exposure duration (years) | 9.0 |
| inhalation rate (m3/day) | 20.0 |
| average body weight (kg) | 70 |
| averaging time$_{(cancer)}$ (days) | 25550 |
| averaging time$_{(noncancer)}$ (days) | 3285 |

**Quantification of Carcinogenic Risks and Noncarcinogenic Hazards (Minimum Year 2006)--9YR**

| Source | Maximum Concentration | | Weight Fraction | Contaminant | Carcinogenic Risk | | | Noncarcinogenic Hazards | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | (ug/m3) | (mg/m3) | | | URF (ug/m3) | CPF (mg/kg/day) | RISK | REL (ug/m3) | RfD (mg/kg/day) | Index |
| (a) | (b) | (c) | (d) | (e) | (f) | (g) | (h) | (i) | (j) | (k) |
| Diesel | 0.05863 | 5.9E-05 | 1.00E+00 | Particulates | 3.0E-04 | 1.1E+00 | 2.3E-06 | 5.0E+00 | 1.4E-03 | 1.2E-02 |

Note: Exposure factors used to calculate contaminant intake

| | |
|---|---|
| exposure frequency (days/year) | 365 |
| exposure duration (years) | 9.0 |
| inhalation rate (m3/day) | 20.0 |
| average body weight (kg) | 70 |
| averaging time$_{(cancer)}$ (days) | 25550 |
| averaging time$_{(noncancer)}$ (days) | 3285 |

**Table 1**

**Quantification of Carcinogenic Risks and Noncarcinogenic Hazards (Maximum Year 2030)--9YR**

| Source | Maximum Concentration | | Weight Fraction | Contaminant | Carcinogenic Risk | | | Noncarcinogenic Hazards | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | (ug/m3) | (mg/m3) | | | URF (ug/m3) | CPF (mg/kg/day) | RISK | REL (ug/m3) | RfD (mg/kg/day) | Index |
| (a) | (b) | (c) | (d) | (e) | (f) | (g) | (h) | (i) | (j) | (k) |
| Diesel | 0.21405 | 2.1E-04 | 1.00E+00 | Particulates | 3.0E-04 | 1.1E+00 | 8.3E-06 | 5.0E+00 | 1.4E-03 | 4.3E-02 |

Note: Exposure factors used to calculate contaminant intake

| | |
|---|---|
| exposure frequency (days/year) | 365 |
| exposure duration (years) | 9.0 |
| inhalation rate (m3/day) | 20.0 |
| average body weight (kg) | 70 |
| averaging time$_{(cancer)}$ (days) | 25550 |
| averaging time$_{(noncancer)}$ (days) | 3285 |

**Table 2**

**Quantification of Carcinogenic Risks and Noncarcinogenic Hazards (Minimum Year 2030)--9YR**

| Source | Maximum Concentration | | Weight Fraction | Contaminant | Carcinogenic Risk | | | Noncarcinogenic Hazards | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | (ug/m3) | (mg/m3) | | | URF (ug/m3) | CPF (mg/kg/day) | RISK | REL (ug/m3) | RfD (mg/kg/day) | Index |
| (a) | (b) | (c) | (d) | (e) | (f) | (g) | (h) | (i) | (j) | (k) |
| Diesel | 0.08117 | 8.1E-05 | 1.00E+00 | Particulates | 3.0E-04 | 1.1E+00 | 3.1E-06 | 5.0E+00 | 1.4E-03 | 1.6E-02 |

Note: Exposure factors used to calculate contaminant intake

| | |
|---|---|
| exposure frequency (days/year) | 365 |
| exposure duration (years) | 9.0 |
| inhalation rate (m3/day) | 20.0 |
| average body weight (kg) | 70 |
| averaging time$_{(cancer)}$ (days) | 25550 |
| averaging time$_{(noncancer)}$ (days) | 3285 |

**Quantification of Carcinogenic Risks and Noncarcinogenic Hazards (Maximum Year 2006)--30YR**

| Source | Maximum Concentration | | Weight Fraction | Contaminant | Carcinogenic Risk | | | Noncarcinogenic Hazards | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | (ug/m3) | (mg/m3) | | | URF (ug/m3) | CPF (mg/kg/day) | RISK | REL (ug/m3) | RfD (mg/kg/day) | Index |
| (a) | (b) | (c) | (d) | (e) | (f) | (g) | (h) | (i) | (j) | (k) |
| Diesel | 0.15459 | 1.5E-04 | 1.00E+00 | Particulates | 3.0E-04 | 1.1E+00 | 2.0E-05 | 5.0E+00 | 1.4E-03 | 3.1E-02 |

Note: Exposure factors used to calculate contaminant intake

| | |
|---|---|
| exposure frequency (days/year) | 365 |
| exposure duration (years) | 30.0 |
| inhalation rate (m3/day) | 20.0 |
| average body weight (kg) | 70 |
| averaging time$_{(cancer)}$ (days) | 25550 |
| averaging time$_{(noncancer)}$ (days) | 10950 |

**Quantification of Carcinogenic Risks and Noncarcinogenic Hazards (Minimum Year 2006)--30YR**

| Source | Maximum Concentration | | Weight Fraction | Contaminant | Carcinogenic Risk | | | Noncarcinogenic Hazards | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | (ug/m3) | (mg/m3) | | | URF (ug/m3) | CPF (mg/kg/day) | RISK | REL (ug/m3) | RfD (mg/kg/day) | Index |
| (a) | (b) | (c) | (d) | (e) | (f) | (g) | (h) | (i) | (j) | (k) |
| Diesel | 0.05863 | 5.9E-05 | 1.00E+00 | Particulates | 3.0E-04 | 1.1E+00 | 7.5E-06 | 5.0E+00 | 1.4E-03 | 1.2E-02 |

Note: Exposure factors used to calculate contaminant intake

| | |
|---|---|
| exposure frequency (days/year) | 365 |
| exposure duration (years) | 30.0 |
| inhalation rate (m3/day) | 20.0 |
| average body weight (kg) | 70 |
| averaging $time_{(cancer)}$ (days) | 25550 |
| averaging $time_{(noncancer)}$ (days) | 10950 |

**Quantification of Carcinogenic Risks and Noncarcinogenic Hazards (Maximum Year 2030)--30YR**

| Source | Maximum Concentration | | Weight Fraction | Contaminant | Carcinogenic Risk | | | Noncarcinogenic Hazards | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | (ug/m3) | (mg/m3) | | | URF (ug/m3) | CPF (mg/kg/day) | RISK | REL (ug/m3) | RfD (mg/kg/day) | Index |
| (a) | (b) | (c) | (d) | (e) | (f) | (g) | (h) | (i) | (j) | (k) |
| Diesel | 0.21405 | 2.1E-04 | 1.00E+00 | Particulates | 3.0E-04 | 1.1E+00 | 2.8E-05 | 5.0E+00 | 1.4E-03 | 4.3E-02 |

Note: Exposure factors used to calculate contaminant intake

| | |
|---|---|
| exposure frequency (days/year) | 365 |
| exposure duration (years) | 30.0 |
| inhalation rate (m3/day) | 20.0 |
| average body weight (kg) | 70 |
| averaging time$_{(cancer)}$ (days) | 25550 |
| averaging time$_{(noncancer)}$ (days) | 10950 |

**Quantification of Carcinogenic Risks and Noncarcinogenic Hazards (Minimum Year 2030)--30YR**

| Source | Maximum Concentration | | Weight Fraction | Contaminant | Carcinogenic Risk | | | Noncarcinogenic Hazards | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | (ug/m3) | (mg/m3) | | | URF (ug/m3) | CPF (mg/kg/day) | RISK | REL (ug/m3) | RfD (mg/kg/day) | Index |
| (a) | (b) | (c) | (d) | (e) | (f) | (g) | (h) | (i) | (j) | (k) |
| Diesel | 0.08117 | 8.1E-05 | 1.00E+00 | Particulates | 3.0E-04 | 1.1E+00 | 1.0E-05 | 5.0E+00 | 1.4E-03 | 1.6E-02 |

Note: Exposure factors used to calculate contaminant intake

| | |
|---|---|
| exposure frequency (days/year) | 365 |
| exposure duration (years) | 30.0 |
| inhalation rate (m3/day) | 20.0 |
| average body weight (kg) | 70 |
| averaging time$_{(cancer)}$ (days) | 25550 |
| averaging time$_{(noncancer)}$ (days) | 10950 |

**ATTACHMENT D**

ISCST3 SUMMARY OUTPUTS
CARBON MONOXIDE EMISSIONS

*** ISCST3 - VERSION 02035 ***
*** Channel Road CO ***
*** Model Executed on 11/28/06 at 09:02:16 ***
Input File - U:\UcJobs_04100-04500_04300\04312\BEEST\CO\CO_67_OTHER.DTA

Output File - U:\UcJobs_04100-04500_04300\04312\BEEST\CO\CO_67_OTHER.LST

Met File - U:\UcAir\Met Data\SD Met Data\Miramar_MCAS\nkx67_71.met

Number of sources - 210
Number of source groups - 1
Number of receptors - 46

*** VOLUME SOURCE DATA ***

| SOURCE ID | NUMBER PART. CATS. | EMISSION RATE (GRAMS/SEC) | X (METERS) | Y (METERS) | BASE ELEV. (METERS) | RELEASE HEIGHT (METERS) | INIT. SY (METERS) | INIT. SZ (METERS) | EMISSION RATE SCALAR VARY BY |
|---|---|---|---|---|---|---|---|---|---|
| 671_0001 | 0 | 0.24100E-05 | 506375.1 | 3635554.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0002 | 0 | 0.24100E-05 | 506384.2 | 3635558.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0003 | 0 | 0.24100E-05 | 506393.4 | 3635561.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0004 | 0 | 0.24100E-05 | 506402.5 | 3635564.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0005 | 0 | 0.24100E-05 | 506411.6 | 3635568.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0006 | 0 | 0.24100E-05 | 506420.7 | 3635571.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0007 | 0 | 0.24100E-05 | 506429.8 | 3635575.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0008 | 0 | 0.24100E-05 | 506438.9 | 3635578.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0009 | 0 | 0.24100E-05 | 506448.1 | 3635582.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0010 | 0 | 0.24100E-05 | 506457.2 | 3635585.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0011 | 0 | 0.24100E-05 | 506466.3 | 3635589.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0012 | 0 | 0.24100E-05 | 506475.4 | 3635592.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0013 | 0 | 0.24100E-05 | 506484.5 | 3635596.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0014 | 0 | 0.24100E-05 | 506493.7 | 3635599.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0015 | 0 | 0.24100E-05 | 506502.8 | 3635602.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0016 | 0 | 0.24100E-05 | 506511.9 | 3635606.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0017 | 0 | 0.24100E-05 | 506521.0 | 3635609.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0018 | 0 | 0.24100E-05 | 506530.1 | 3635613.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0019 | 0 | 0.24100E-05 | 506539.2 | 3635616.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0020 | 0 | 0.24100E-05 | 506548.4 | 3635620.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0021 | 0 | 0.24100E-05 | 506557.5 | 3635623.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0022 | 0 | 0.24100E-05 | 506566.6 | 3635627.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0023 | 0 | 0.24100E-05 | 506575.7 | 3635630.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0024 | 0 | 0.24100E-05 | 506584.8 | 3635634.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0025 | 0 | 0.24100E-05 | 506593.9 | 3635637.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0026 | 0 | 0.24100E-05 | 506603.1 | 3635640.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0027 | 0 | 0.24100E-05 | 506612.2 | 3635644.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0028 | 0 | 0.24100E-05 | 506621.3 | 3635647.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0029 | 0 | 0.24100E-05 | 506630.4 | 3635651.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0030 | 0 | 0.24100E-05 | 506639.5 | 3635654.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0031 | 0 | 0.24100E-05 | 506648.7 | 3635658.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0032 | 0 | 0.24100E-05 | 506657.8 | 3635661.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0033 | 0 | 0.24100E-05 | 506666.9 | 3635665.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0034 | 0 | 0.24100E-05 | 506676.0 | 3635668.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0035 | 0 | 0.24100E-05 | 506685.1 | 3635672.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0036 | 0 | 0.24100E-05 | 506694.2 | 3635675.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0037 | 0 | 0.24100E-05 | 506703.4 | 3635678.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0038 | 0 | 0.24100E-05 | 506712.5 | 3635682.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0039 | 0 | 0.24100E-05 | 506721.6 | 3635685.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0040 | 0 | 0.24100E-05 | 506730.7 | 3635689.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |

*** VOLUME SOURCE DATA ***

| SOURCE ID | NUMBER PART. CATS. | EMISSION RATE (GRAMS/SEC) | X (METERS) | Y (METERS) | BASE ELEV. (METERS) | RELEASE HEIGHT (METERS) | INIT. SY (METERS) | INIT. SZ (METERS) | EMISSION RATE SCALAR VARY BY |
|---|---|---|---|---|---|---|---|---|---|

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 671_0041 | 0 | 0.24100E-05 | 506739.8 | 3635692.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0042 | 0 | 0.24100E-05 | 506748.9 | 3635696.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0043 | 0 | 0.24100E-05 | 506758.1 | 3635699.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0044 | 0 | 0.24100E-05 | 506767.2 | 3635703.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0045 | 0 | 0.24100E-05 | 506776.3 | 3635706.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0046 | 0 | 0.24100E-05 | 506785.4 | 3635710.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0047 | 0 | 0.24100E-05 | 506794.5 | 3635713.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0048 | 0 | 0.24100E-05 | 506803.7 | 3635716.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0049 | 0 | 0.24100E-05 | 506812.8 | 3635720.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0050 | 0 | 0.24100E-05 | 506821.9 | 3635723.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0051 | 0 | 0.24100E-05 | 506831.0 | 3635727.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0052 | 0 | 0.24100E-05 | 506840.1 | 3635730.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0053 | 0 | 0.24100E-05 | 506849.2 | 3635734.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0054 | 0 | 0.24100E-05 | 506858.4 | 3635737.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0055 | 0 | 0.24100E-05 | 506867.5 | 3635741.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0056 | 0 | 0.24100E-05 | 506876.6 | 3635744.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0057 | 0 | 0.24100E-05 | 506885.7 | 3635748.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0058 | 0 | 0.24100E-05 | 506894.8 | 3635751.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0059 | 0 | 0.24100E-05 | 506903.9 | 3635754.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0060 | 0 | 0.24100E-05 | 506913.1 | 3635758.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0061 | 0 | 0.24100E-05 | 506922.2 | 3635761.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0062 | 0 | 0.24100E-05 | 506931.3 | 3635765.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0063 | 0 | 0.24100E-05 | 506940.4 | 3635768.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0064 | 0 | 0.24100E-05 | 506949.2 | 3635773.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0065 | 0 | 0.24100E-05 | 506958.1 | 3635777.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0066 | 0 | 0.24100E-05 | 506966.9 | 3635781.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0067 | 0 | 0.24100E-05 | 506974.7 | 3635787.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0068 | 0 | 0.24100E-05 | 506982.2 | 3635793.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0069 | 0 | 0.24100E-05 | 506989.7 | 3635799.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0070 | 0 | 0.24100E-05 | 506997.2 | 3635805.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0071 | 0 | 0.24100E-05 | 507004.8 | 3635811.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0072 | 0 | 0.24100E-05 | 507012.3 | 3635818.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0073 | 0 | 0.24100E-05 | 507019.8 | 3635824.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0074 | 0 | 0.24100E-05 | 507027.3 | 3635830.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0075 | 0 | 0.24100E-05 | 507034.9 | 3635836.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0076 | 0 | 0.24100E-05 | 507042.4 | 3635842.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0077 | 0 | 0.24100E-05 | 507049.9 | 3635849.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0078 | 0 | 0.24100E-05 | 507057.4 | 3635855.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0079 | 0 | 0.24100E-05 | 507065.0 | 3635861.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0080 | 0 | 0.24100E-05 | 507072.5 | 3635867.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |

*** VOLUME SOURCE DATA ***

| SOURCE ID | NUMBER PART. CATS. | EMISSION RATE (GRAMS/SEC) | X (METERS) | Y (METERS) | BASE ELEV. (METERS) | RELEASE HEIGHT (METERS) | INIT. SY (METERS) | INIT. SZ (METERS) | EMISSION RATE SCALAR VARY BY |
|---|---|---|---|---|---|---|---|---|---|
| 671_0081 | 0 | 0.24100E-05 | 507080.0 | 3635873.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0082 | 0 | 0.24100E-05 | 507087.6 | 3635880.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0083 | 0 | 0.24100E-05 | 507095.1 | 3635886.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0084 | 0 | 0.24100E-05 | 507102.6 | 3635892.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0085 | 0 | 0.24100E-05 | 507109.7 | 3635899.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0086 | 0 | 0.24100E-05 | 507115.4 | 3635906.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0087 | 0 | 0.24100E-05 | 507121.1 | 3635914.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0088 | 0 | 0.24100E-05 | 507126.8 | 3635922.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0089 | 0 | 0.24100E-05 | 507132.4 | 3635930.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0090 | 0 | 0.24100E-05 | 507138.1 | 3635938.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0091 | 0 | 0.24100E-05 | 507143.8 | 3635946.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0092 | 0 | 0.24100E-05 | 507149.4 | 3635954.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0093 | 0 | 0.24100E-05 | 507155.1 | 3635962.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0094 | 0 | 0.24100E-05 | 507160.8 | 3635970.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0095 | 0 | 0.24100E-05 | 507166.5 | 3635978.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0096 | 0 | 0.24100E-05 | 507172.2 | 3635986.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0097 | 0 | 0.24100E-05 | 507177.8 | 3635994.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0098 | 0 | 0.24100E-05 | 507183.5 | 3636002.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0099 | 0 | 0.24100E-05 | 507189.2 | 3636009.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0100 | 0 | 0.24100E-05 | 507194.9 | 3636017.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 671_0101 | 0 | 0.24100E-05 | 507200.6 | 3636025.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0102 | 0 | 0.24100E-05 | 507206.2 | 3636033.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0103 | 0 | 0.24100E-05 | 507211.9 | 3636041.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0104 | 0 | 0.24100E-05 | 507217.6 | 3636049.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0105 | 0 | 0.24100E-05 | 507223.3 | 3636057.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0106 | 0 | 0.24100E-05 | 507229.0 | 3636065.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0001 | 0 | 0.24100E-05 | 506360.6 | 3635582.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0002 | 0 | 0.24100E-05 | 506369.7 | 3635585.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0003 | 0 | 0.24100E-05 | 506378.8 | 3635589.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0004 | 0 | 0.24100E-05 | 506387.9 | 3635592.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0005 | 0 | 0.24100E-05 | 506397.0 | 3635595.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0006 | 0 | 0.24100E-05 | 506406.2 | 3635599.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0007 | 0 | 0.24100E-05 | 506415.2 | 3635602.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0008 | 0 | 0.24100E-05 | 506424.4 | 3635606.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0009 | 0 | 0.24100E-05 | 506433.5 | 3635609.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0010 | 0 | 0.24100E-05 | 506442.6 | 3635613.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0011 | 0 | 0.24100E-05 | 506451.7 | 3635616.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0012 | 0 | 0.24100E-05 | 506460.8 | 3635620.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0013 | 0 | 0.24100E-05 | 506470.0 | 3635623.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0014 | 0 | 0.24100E-05 | 506479.1 | 3635627.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |

*** VOLUME SOURCE DATA ***

| SOURCE ID | NUMBER PART. CATS. | EMISSION RATE (GRAMS/SEC) | X (METERS) | Y (METERS) | BASE ELEV. (METERS) | RELEASE HEIGHT (METERS) | INIT. SY (METERS) | INIT. SZ (METERS) | EMISSION RATE SCALAR VARY BY |
|---|---|---|---|---|---|---|---|---|---|
| 672_0015 | 0 | 0.24100E-05 | 506488.2 | 3635630.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0016 | 0 | 0.24100E-05 | 506497.3 | 3635633.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0017 | 0 | 0.24100E-05 | 506506.4 | 3635637.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0018 | 0 | 0.24100E-05 | 506515.6 | 3635640.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0019 | 0 | 0.24100E-05 | 506524.7 | 3635644.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0020 | 0 | 0.24100E-05 | 506533.8 | 3635647.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0021 | 0 | 0.24100E-05 | 506542.9 | 3635651.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0022 | 0 | 0.24100E-05 | 506552.0 | 3635654.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0023 | 0 | 0.24100E-05 | 506561.1 | 3635658.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0024 | 0 | 0.24100E-05 | 506570.2 | 3635661.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0025 | 0 | 0.24100E-05 | 506579.4 | 3635665.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0026 | 0 | 0.24100E-05 | 506588.5 | 3635668.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0027 | 0 | 0.24100E-05 | 506597.6 | 3635671.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0028 | 0 | 0.24100E-05 | 506606.7 | 3635675.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0029 | 0 | 0.24100E-05 | 506615.8 | 3635678.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0030 | 0 | 0.24100E-05 | 506625.0 | 3635682.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0031 | 0 | 0.24100E-05 | 506634.1 | 3635685.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0032 | 0 | 0.24100E-05 | 506643.2 | 3635689.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0033 | 0 | 0.24100E-05 | 506652.3 | 3635692.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0034 | 0 | 0.24100E-05 | 506661.4 | 3635696.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0035 | 0 | 0.24100E-05 | 506670.6 | 3635699.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0036 | 0 | 0.24100E-05 | 506679.7 | 3635703.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0037 | 0 | 0.24100E-05 | 506688.8 | 3635706.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0038 | 0 | 0.24100E-05 | 506697.9 | 3635709.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0039 | 0 | 0.24100E-05 | 506707.0 | 3635713.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0040 | 0 | 0.24100E-05 | 506716.1 | 3635716.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0041 | 0 | 0.24100E-05 | 506725.2 | 3635720.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0042 | 0 | 0.24100E-05 | 506734.4 | 3635723.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0043 | 0 | 0.24100E-05 | 506743.5 | 3635727.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0044 | 0 | 0.24100E-05 | 506752.6 | 3635730.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0045 | 0 | 0.24100E-05 | 506761.7 | 3635734.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0046 | 0 | 0.24100E-05 | 506770.8 | 3635737.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0047 | 0 | 0.24100E-05 | 506780.0 | 3635741.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0048 | 0 | 0.24100E-05 | 506789.1 | 3635744.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0049 | 0 | 0.24100E-05 | 506798.2 | 3635747.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0050 | 0 | 0.24100E-05 | 506807.3 | 3635751.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0051 | 0 | 0.24100E-05 | 506816.4 | 3635754.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0052 | 0 | 0.24100E-05 | 506825.5 | 3635758.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0053 | 0 | 0.24100E-05 | 506834.7 | 3635761.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0054 | 0 | 0.24100E-05 | 506843.8 | 3635765.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |

*** VOLUME SOURCE DATA ***

| SOURCE ID | NUMBER PART. CATS. | EMISSION RATE (GRAMS/SEC) | X (METERS) | Y (METERS) | BASE ELEV. (METERS) | RELEASE HEIGHT (METERS) | INIT. SY (METERS) | INIT. SZ (METERS) | EMISSION RATE SCALAR VARY BY |
|---|---|---|---|---|---|---|---|---|---|
| 672_0055 | 0 | 0.24100E-05 | 506852.9 | 3635768.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0056 | 0 | 0.24100E-05 | 506862.0 | 3635772.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0057 | 0 | 0.24100E-05 | 506871.1 | 3635775.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0058 | 0 | 0.24100E-05 | 506880.2 | 3635779.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0059 | 0 | 0.24100E-05 | 506889.4 | 3635782.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0060 | 0 | 0.24100E-05 | 506898.5 | 3635785.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0061 | 0 | 0.24100E-05 | 506907.6 | 3635789.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0062 | 0 | 0.24100E-05 | 506916.7 | 3635792.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0063 | 0 | 0.24100E-05 | 506925.8 | 3635796.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0064 | 0 | 0.24100E-05 | 506934.5 | 3635800.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0065 | 0 | 0.24100E-05 | 506942.6 | 3635806.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0066 | 0 | 0.24100E-05 | 506950.7 | 3635811.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0067 | 0 | 0.24100E-05 | 506958.7 | 3635817.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0068 | 0 | 0.24100E-05 | 506966.8 | 3635822.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0069 | 0 | 0.24100E-05 | 506974.9 | 3635827.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0070 | 0 | 0.24100E-05 | 506982.9 | 3635833.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0071 | 0 | 0.24100E-05 | 506991.0 | 3635838.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0072 | 0 | 0.24100E-05 | 506999.1 | 3635844.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0073 | 0 | 0.24100E-05 | 507007.2 | 3635849.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0074 | 0 | 0.24100E-05 | 507015.2 | 3635855.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0075 | 0 | 0.24100E-05 | 507023.3 | 3635860.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0076 | 0 | 0.24100E-05 | 507031.4 | 3635866.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0077 | 0 | 0.24100E-05 | 507039.4 | 3635871.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0078 | 0 | 0.24100E-05 | 507047.5 | 3635877.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0079 | 0 | 0.24100E-05 | 507055.6 | 3635882.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0080 | 0 | 0.24100E-05 | 507062.6 | 3635889.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0081 | 0 | 0.24100E-05 | 507068.5 | 3635897.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0082 | 0 | 0.24100E-05 | 507074.4 | 3635904.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0083 | 0 | 0.24100E-05 | 507080.3 | 3635912.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0084 | 0 | 0.24100E-05 | 507086.2 | 3635920.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0085 | 0 | 0.24100E-05 | 507092.2 | 3635928.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0086 | 0 | 0.24100E-05 | 507098.1 | 3635935.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0087 | 0 | 0.24100E-05 | 507104.0 | 3635943.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0088 | 0 | 0.24100E-05 | 507110.0 | 3635951.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0089 | 0 | 0.24100E-05 | 507115.9 | 3635958.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0090 | 0 | 0.24100E-05 | 507121.8 | 3635966.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0091 | 0 | 0.24100E-05 | 507127.7 | 3635974.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0092 | 0 | 0.24100E-05 | 507133.7 | 3635982.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0093 | 0 | 0.24100E-05 | 507139.6 | 3635989.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0094 | 0 | 0.24100E-05 | 507145.5 | 3635997.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |

*** VOLUME SOURCE DATA ***

| SOURCE ID | NUMBER PART. CATS. | EMISSION RATE (GRAMS/SEC) | X (METERS) | Y (METERS) | BASE ELEV. (METERS) | RELEASE HEIGHT (METERS) | INIT. SY (METERS) | INIT. SZ (METERS) | EMISSION RATE SCALAR VARY BY |
|---|---|---|---|---|---|---|---|---|---|
| 672_0095 | 0 | 0.24100E-05 | 507151.4 | 3636005.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0096 | 0 | 0.24100E-05 | 507157.3 | 3636013.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0097 | 0 | 0.24100E-05 | 507163.3 | 3636020.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0098 | 0 | 0.24100E-05 | 507169.2 | 3636028.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0099 | 0 | 0.24100E-05 | 507175.1 | 3636036.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0100 | 0 | 0.24100E-05 | 507181.1 | 3636044.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0101 | 0 | 0.24100E-05 | 507186.0 | 3636052.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0102 | 0 | 0.24100E-05 | 507190.2 | 3636061.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0103 | 0 | 0.24100E-05 | 507194.4 | 3636070.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0104 | 0 | 0.24100E-05 | 507198.5 | 3636078.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |

*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID SOURCE IDs

ALL 671_0001, 671_0002, 671_0003, 671_0004, 671_0005, 671_0006, 671_0007, 671_0008, 671_0009, 671_0010, 671_0011, 671_0012,

671_0013, 671_0014, 671_0015, 671_0016, 671_0017, 671_0018, 671_0019, 671_0020, 671_0021, 671_0022, 671_0023, 671_0024,

671_0025, 671_0026, 671_0027, 671_0028, 671_0029, 671_0030, 671_0031, 671_0032, 671_0033, 671_0034, 671_0035, 671_0036,

671_0037, 671_0038, 671_0039, 671_0040, 671_0041, 671_0042, 671_0043, 671_0044, 671_0045, 671_0046, 671_0047, 671_0048,

671_0049, 671_0050, 671_0051, 671_0052, 671_0053, 671_0054, 671_0055, 671_0056, 671_0057, 671_0058, 671_0059, 671_0060,

671_0061, 671_0062, 671_0063, 671_0064, 671_0065, 671_0066, 671_0067, 671_0068, 671_0069, 671_0070, 671_0071, 671_0072,

671_0073, 671_0074, 671_0075, 671_0076, 671_0077, 671_0078, 671_0079, 671_0080, 671_0081, 671_0082, 671_0083, 671_0084,

671_0085, 671_0086, 671_0087, 671_0088, 671_0089, 671_0090, 671_0091, 671_0092, 671_0093, 671_0094, 671_0095, 671_0096,

671_0097, 671_0098, 671_0099, 671_0100, 671_0101, 671_0102, 671_0103, 671_0104, 671_0105, 671_0106, 672_0001, 672_0002,

672_0003, 672_0004, 672_0005, 672_0006, 672_0007, 672_0008, 672_0009, 672_0010, 672_0011, 672_0012, 672_0013, 672_0014,

672_0015, 672_0016, 672_0017, 672_0018, 672_0019, 672_0020, 672_0021, 672_0022, 672_0023, 672_0024, 672_0025, 672_0026,

672_0027, 672_0028, 672_0029, 672_0030, 672_0031, 672_0032, 672_0033, 672_0034, 672_0035, 672_0036, 672_0037, 672_0038,

672_0039, 672_0040, 672_0041, 672_0042, 672_0043, 672_0044, 672_0045, 672_0046, 672_0047, 672_0048, 672_0049, 672_0050,

672_0051, 672_0052, 672_0053, 672_0054, 672_0055, 672_0056, 672_0057, 672_0058, 672_0059, 672_0060, 672_0061, 672_0062,

672_0063, 672_0064, 672_0065, 672_0066, 672_0067, 672_0068, 672_0069, 672_0070, 672_0071, 672_0072, 672_0073, 672_0074,

672_0075, 672_0076, 672_0077, 672_0078, 672_0079, 672_0080, 672_0081, 672_0082, 672_0083, 672_0084, 672_0085, 672_0086,

672_0087, 672_0088, 672_0089, 672_0090, 672_0091, 672_0092, 672_0093, 672_0094, 672_0095, 672_0096, 672_0097, 672_0098,

672_0099, 672_0100, 672_0101, 672_0102, 672_0103, 672_0104,

*** THE SUMMARY OF HIGHEST 1-HR RESULTS ***

** CONC OF OTHER IN PPM **

| GROUP ID | AVERAGE CONC | DATE (YYMMDDHH) | NETWORK RECEPTOR (XR, YR, ZELEV, ZFLAG) | OF TYPE | GRID-ID |
|---|---|---|---|---|---|
| ALL | HIGH 1ST HIGH VALUE IS | 0.27728 | ON 67020404: AT ( 506817.19, 3635661.75, 0.00, 1.50) | DC | NA |

HIGH 2ND HIGH VALUE IS 0.27728 ON 67022705: AT ( 506817.19, 3635661.75, 0.00, 1.50) DC NA

*** THE SUMMARY OF HIGHEST 8-HR RESULTS ***

** CONC OF OTHER IN PPM **

| GROUP ID | AVERAGE CONC | DATE (YYMMDDHH) | NETWORK RECEPTOR (XR, YR, ZELEV, ZFLAG) | OF TYPE GRID-ID |
|---|---|---|---|---|
| ALL | HIGH 1ST HIGH VALUE IS | 0.18029 | ON 68090808: AT ( 506817.19, 3635661.75, 0.00, 1.50) | DC NA |
| | HIGH 2ND HIGH VALUE IS | 0.17077 | ON 71090408: AT ( 506817.19, 3635661.75, 0.00, 1.50) | DC NA |

*** ISCST3 - VERSION 02035 ***
*** Channel Road CO ***
*** Model Executed on 11/28/06 at 09:06:58 ***
Input File - U:\UcJobs_04100-04500_04300\04312\BEEST\CO\CO_Trucks_67_OTHER.DTA

Output File - U:\UcJobs_04100-04500_04300\04312\BEEST\CO\CO_Trucks_67_OTHER.LST

Met File - U:\UcAir\Met Data\SD Met Data\Miramar_MCAS\nkx67_71.met

Number of sources - 210
Number of source groups - 1
Number of receptors - 46

*** VOLUME SOURCE DATA ***

| SOURCE ID | NUMBER PART. CATS. | EMISSION RATE (GRAMS/SEC) | X (METERS) | Y (METERS) | BASE ELEV. (METERS) | RELEASE HEIGHT (METERS) | INIT. SY (METERS) | INIT. SZ (METERS) | EMISSION RATE SCALAR VARY BY |
|---|---|---|---|---|---|---|---|---|---|
| 671_0001 | 0 | 0.24100E-05 | 506375.1 | 3635554.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0002 | 0 | 0.24100E-05 | 506384.2 | 3635558.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0003 | 0 | 0.24100E-05 | 506393.4 | 3635561.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0004 | 0 | 0.24100E-05 | 506402.5 | 3635564.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0005 | 0 | 0.24100E-05 | 506411.6 | 3635568.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0006 | 0 | 0.24100E-05 | 506420.7 | 3635571.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0007 | 0 | 0.24100E-05 | 506429.8 | 3635575.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0008 | 0 | 0.24100E-05 | 506438.9 | 3635578.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0009 | 0 | 0.24100E-05 | 506448.1 | 3635582.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0010 | 0 | 0.24100E-05 | 506457.2 | 3635585.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0011 | 0 | 0.24100E-05 | 506466.3 | 3635589.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0012 | 0 | 0.24100E-05 | 506475.4 | 3635592.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0013 | 0 | 0.24100E-05 | 506484.5 | 3635596.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0014 | 0 | 0.24100E-05 | 506493.7 | 3635599.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0015 | 0 | 0.24100E-05 | 506502.8 | 3635602.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0016 | 0 | 0.24100E-05 | 506511.9 | 3635606.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0017 | 0 | 0.24100E-05 | 506521.0 | 3635609.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0018 | 0 | 0.24100E-05 | 506530.1 | 3635613.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0019 | 0 | 0.24100E-05 | 506539.2 | 3635616.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0020 | 0 | 0.24100E-05 | 506548.4 | 3635620.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0021 | 0 | 0.24100E-05 | 506557.5 | 3635623.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0022 | 0 | 0.24100E-05 | 506566.6 | 3635627.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0023 | 0 | 0.24100E-05 | 506575.7 | 3635630.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0024 | 0 | 0.24100E-05 | 506584.8 | 3635634.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0025 | 0 | 0.24100E-05 | 506593.9 | 3635637.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0026 | 0 | 0.24100E-05 | 506603.1 | 3635640.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0027 | 0 | 0.24100E-05 | 506612.2 | 3635644.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0028 | 0 | 0.24100E-05 | 506621.3 | 3635647.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0029 | 0 | 0.24100E-05 | 506630.4 | 3635651.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0030 | 0 | 0.24100E-05 | 506639.5 | 3635654.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0031 | 0 | 0.24100E-05 | 506648.7 | 3635658.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0032 | 0 | 0.24100E-05 | 506657.8 | 3635661.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0033 | 0 | 0.24100E-05 | 506666.9 | 3635665.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0034 | 0 | 0.24100E-05 | 506676.0 | 3635668.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0035 | 0 | 0.24100E-05 | 506685.1 | 3635672.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0036 | 0 | 0.24100E-05 | 506694.2 | 3635675.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0037 | 0 | 0.24100E-05 | 506703.4 | 3635678.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0038 | 0 | 0.24100E-05 | 506712.5 | 3635682.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0039 | 0 | 0.24100E-05 | 506721.6 | 3635685.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0040 | 0 | 0.24100E-05 | 506730.7 | 3635689.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |

*** VOLUME SOURCE DATA ***

| SOURCE ID | NUMBER PART. CATS. | EMISSION RATE (GRAMS/SEC) | X (METERS) | Y (METERS) | BASE ELEV. (METERS) | RELEASE HEIGHT (METERS) | INIT. SY (METERS) | INIT. SZ (METERS) | EMISSION RATE SCALAR VARY BY |
|---|---|---|---|---|---|---|---|---|---|

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 671_0041 | 0 | 0.24100E-05 | 506739.8 | 3635692.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0042 | 0 | 0.24100E-05 | 506748.9 | 3635696.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0043 | 0 | 0.24100E-05 | 506758.1 | 3635699.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0044 | 0 | 0.24100E-05 | 506767.2 | 3635703.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0045 | 0 | 0.24100E-05 | 506776.3 | 3635706.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0046 | 0 | 0.24100E-05 | 506785.4 | 3635710.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0047 | 0 | 0.24100E-05 | 506794.5 | 3635713.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0048 | 0 | 0.24100E-05 | 506803.7 | 3635716.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0049 | 0 | 0.24100E-05 | 506812.8 | 3635720.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0050 | 0 | 0.24100E-05 | 506821.9 | 3635723.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0051 | 0 | 0.24100E-05 | 506831.0 | 3635727.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0052 | 0 | 0.24100E-05 | 506840.1 | 3635730.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0053 | 0 | 0.24100E-05 | 506849.2 | 3635734.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0054 | 0 | 0.24100E-05 | 506858.4 | 3635737.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0055 | 0 | 0.24100E-05 | 506867.5 | 3635741.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0056 | 0 | 0.24100E-05 | 506876.6 | 3635744.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0057 | 0 | 0.24100E-05 | 506885.7 | 3635748.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0058 | 0 | 0.24100E-05 | 506894.8 | 3635751.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0059 | 0 | 0.24100E-05 | 506903.9 | 3635754.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0060 | 0 | 0.24100E-05 | 506913.1 | 3635758.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0061 | 0 | 0.24100E-05 | 506922.2 | 3635761.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0062 | 0 | 0.24100E-05 | 506931.3 | 3635765.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0063 | 0 | 0.24100E-05 | 506940.4 | 3635768.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0064 | 0 | 0.24100E-05 | 506949.2 | 3635773.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0065 | 0 | 0.24100E-05 | 506958.1 | 3635777.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0066 | 0 | 0.24100E-05 | 506966.9 | 3635781.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0067 | 0 | 0.24100E-05 | 506974.7 | 3635787.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0068 | 0 | 0.24100E-05 | 506982.2 | 3635793.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0069 | 0 | 0.24100E-05 | 506989.7 | 3635799.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0070 | 0 | 0.24100E-05 | 506997.2 | 3635805.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0071 | 0 | 0.24100E-05 | 507004.8 | 3635811.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0072 | 0 | 0.24100E-05 | 507012.3 | 3635818.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0073 | 0 | 0.24100E-05 | 507019.8 | 3635824.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0074 | 0 | 0.24100E-05 | 507027.3 | 3635830.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0075 | 0 | 0.24100E-05 | 507034.9 | 3635836.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0076 | 0 | 0.24100E-05 | 507042.4 | 3635842.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0077 | 0 | 0.24100E-05 | 507049.9 | 3635849.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0078 | 0 | 0.24100E-05 | 507057.4 | 3635855.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0079 | 0 | 0.24100E-05 | 507065.0 | 3635861.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0080 | 0 | 0.24100E-05 | 507072.5 | 3635867.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |

*** VOLUME SOURCE DATA ***

| SOURCE ID | NUMBER PART. CATS. | EMISSION RATE (GRAMS/SEC) | X (METERS) | Y (METERS) | BASE ELEV. (METERS) | RELEASE HEIGHT (METERS) | INIT. SY (METERS) | INIT. SZ (METERS) | EMISSION RATE SCALAR VARY BY |
|---|---|---|---|---|---|---|---|---|---|
| 671_0081 | 0 | 0.24100E-05 | 507080.0 | 3635873.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0082 | 0 | 0.24100E-05 | 507087.6 | 3635880.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0083 | 0 | 0.24100E-05 | 507095.1 | 3635886.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0084 | 0 | 0.24100E-05 | 507102.6 | 3635892.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0085 | 0 | 0.24100E-05 | 507109.7 | 3635899.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0086 | 0 | 0.24100E-05 | 507115.4 | 3635906.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0087 | 0 | 0.24100E-05 | 507121.1 | 3635914.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0088 | 0 | 0.24100E-05 | 507126.8 | 3635922.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0089 | 0 | 0.24100E-05 | 507132.4 | 3635930.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0090 | 0 | 0.24100E-05 | 507138.1 | 3635938.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0091 | 0 | 0.24100E-05 | 507143.8 | 3635946.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0092 | 0 | 0.24100E-05 | 507149.4 | 3635954.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0093 | 0 | 0.24100E-05 | 507155.1 | 3635962.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0094 | 0 | 0.24100E-05 | 507160.8 | 3635970.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0095 | 0 | 0.24100E-05 | 507166.5 | 3635978.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0096 | 0 | 0.24100E-05 | 507172.2 | 3635986.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0097 | 0 | 0.24100E-05 | 507177.8 | 3635994.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0098 | 0 | 0.24100E-05 | 507183.5 | 3636002.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0099 | 0 | 0.24100E-05 | 507189.2 | 3636009.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0100 | 0 | 0.24100E-05 | 507194.9 | 3636017.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 671_0101 | 0 | 0.24100E-05 | 507200.6 | 3636025.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0102 | 0 | 0.24100E-05 | 507206.2 | 3636033.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0103 | 0 | 0.24100E-05 | 507211.9 | 3636041.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0104 | 0 | 0.24100E-05 | 507217.6 | 3636049.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0105 | 0 | 0.24100E-05 | 507223.3 | 3636057.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 671_0106 | 0 | 0.24100E-05 | 507229.0 | 3636065.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0001 | 0 | 0.24100E-05 | 506360.6 | 3635582.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0002 | 0 | 0.24100E-05 | 506369.7 | 3635585.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0003 | 0 | 0.24100E-05 | 506378.8 | 3635589.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0004 | 0 | 0.24100E-05 | 506387.9 | 3635592.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0005 | 0 | 0.24100E-05 | 506397.0 | 3635595.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0006 | 0 | 0.24100E-05 | 506406.2 | 3635599.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0007 | 0 | 0.24100E-05 | 506415.2 | 3635602.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0008 | 0 | 0.24100E-05 | 506424.4 | 3635606.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0009 | 0 | 0.24100E-05 | 506433.5 | 3635609.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0010 | 0 | 0.24100E-05 | 506442.6 | 3635613.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0011 | 0 | 0.24100E-05 | 506451.7 | 3635616.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0012 | 0 | 0.24100E-05 | 506460.8 | 3635620.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0013 | 0 | 0.24100E-05 | 506470.0 | 3635623.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0014 | 0 | 0.24100E-05 | 506479.1 | 3635627.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |

*** VOLUME SOURCE DATA ***

| SOURCE ID | NUMBER PART. CATS. | EMISSION RATE (GRAMS/SEC) | X (METERS) | Y (METERS) | BASE ELEV. (METERS) | RELEASE HEIGHT (METERS) | INIT. SY (METERS) | INIT. SZ (METERS) | EMISSION RATE SCALAR VARY BY |
|---|---|---|---|---|---|---|---|---|---|
| 672_0015 | 0 | 0.24100E-05 | 506488.2 | 3635630.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0016 | 0 | 0.24100E-05 | 506497.3 | 3635633.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0017 | 0 | 0.24100E-05 | 506506.4 | 3635637.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0018 | 0 | 0.24100E-05 | 506515.6 | 3635640.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0019 | 0 | 0.24100E-05 | 506524.7 | 3635644.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0020 | 0 | 0.24100E-05 | 506533.8 | 3635647.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0021 | 0 | 0.24100E-05 | 506542.9 | 3635651.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0022 | 0 | 0.24100E-05 | 506552.0 | 3635654.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0023 | 0 | 0.24100E-05 | 506561.1 | 3635658.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0024 | 0 | 0.24100E-05 | 506570.2 | 3635661.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0025 | 0 | 0.24100E-05 | 506579.4 | 3635665.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0026 | 0 | 0.24100E-05 | 506588.5 | 3635668.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0027 | 0 | 0.24100E-05 | 506597.6 | 3635671.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0028 | 0 | 0.24100E-05 | 506606.7 | 3635675.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0029 | 0 | 0.24100E-05 | 506615.8 | 3635678.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0030 | 0 | 0.24100E-05 | 506625.0 | 3635682.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0031 | 0 | 0.24100E-05 | 506634.1 | 3635685.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0032 | 0 | 0.24100E-05 | 506643.2 | 3635689.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0033 | 0 | 0.24100E-05 | 506652.3 | 3635692.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0034 | 0 | 0.24100E-05 | 506661.4 | 3635696.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0035 | 0 | 0.24100E-05 | 506670.6 | 3635699.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0036 | 0 | 0.24100E-05 | 506679.7 | 3635703.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0037 | 0 | 0.24100E-05 | 506688.8 | 3635706.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0038 | 0 | 0.24100E-05 | 506697.9 | 3635709.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0039 | 0 | 0.24100E-05 | 506707.0 | 3635713.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0040 | 0 | 0.24100E-05 | 506716.1 | 3635716.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0041 | 0 | 0.24100E-05 | 506725.2 | 3635720.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0042 | 0 | 0.24100E-05 | 506734.4 | 3635723.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0043 | 0 | 0.24100E-05 | 506743.5 | 3635727.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0044 | 0 | 0.24100E-05 | 506752.6 | 3635730.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0045 | 0 | 0.24100E-05 | 506761.7 | 3635734.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0046 | 0 | 0.24100E-05 | 506770.8 | 3635737.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0047 | 0 | 0.24100E-05 | 506780.0 | 3635741.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0048 | 0 | 0.24100E-05 | 506789.1 | 3635744.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0049 | 0 | 0.24100E-05 | 506798.2 | 3635747.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0050 | 0 | 0.24100E-05 | 506807.3 | 3635751.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0051 | 0 | 0.24100E-05 | 506816.4 | 3635754.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0052 | 0 | 0.24100E-05 | 506825.5 | 3635758.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0053 | 0 | 0.24100E-05 | 506834.7 | 3635761.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0054 | 0 | 0.24100E-05 | 506843.8 | 3635765.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |

*** VOLUME SOURCE DATA ***

| SOURCE ID | NUMBER PART. CATS. | EMISSION RATE (GRAMS/SEC) | X (METERS) | Y (METERS) | BASE ELEV. (METERS) | RELEASE HEIGHT (METERS) | INIT. SY (METERS) | INIT. SZ (METERS) | EMISSION RATE SCALAR VARY BY |
|---|---|---|---|---|---|---|---|---|---|
| 672_0055 | 0 | 0.24100E-05 | 506852.9 | 3635768.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0056 | 0 | 0.24100E-05 | 506862.0 | 3635772.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0057 | 0 | 0.24100E-05 | 506871.1 | 3635775.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0058 | 0 | 0.24100E-05 | 506880.2 | 3635779.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0059 | 0 | 0.24100E-05 | 506889.4 | 3635782.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0060 | 0 | 0.24100E-05 | 506898.5 | 3635785.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0061 | 0 | 0.24100E-05 | 506907.6 | 3635789.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0062 | 0 | 0.24100E-05 | 506916.7 | 3635792.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0063 | 0 | 0.24100E-05 | 506925.8 | 3635796.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0064 | 0 | 0.24100E-05 | 506934.5 | 3635800.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0065 | 0 | 0.24100E-05 | 506942.6 | 3635806.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0066 | 0 | 0.24100E-05 | 506950.7 | 3635811.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0067 | 0 | 0.24100E-05 | 506958.7 | 3635817.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0068 | 0 | 0.24100E-05 | 506966.8 | 3635822.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0069 | 0 | 0.24100E-05 | 506974.9 | 3635827.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0070 | 0 | 0.24100E-05 | 506982.9 | 3635833.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0071 | 0 | 0.24100E-05 | 506991.0 | 3635838.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0072 | 0 | 0.24100E-05 | 506999.1 | 3635844.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0073 | 0 | 0.24100E-05 | 507007.2 | 3635849.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0074 | 0 | 0.24100E-05 | 507015.2 | 3635855.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0075 | 0 | 0.24100E-05 | 507023.3 | 3635860.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0076 | 0 | 0.24100E-05 | 507031.4 | 3635866.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0077 | 0 | 0.24100E-05 | 507039.4 | 3635871.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0078 | 0 | 0.24100E-05 | 507047.5 | 3635877.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0079 | 0 | 0.24100E-05 | 507055.6 | 3635882.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0080 | 0 | 0.24100E-05 | 507062.6 | 3635889.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0081 | 0 | 0.24100E-05 | 507068.5 | 3635897.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0082 | 0 | 0.24100E-05 | 507074.4 | 3635904.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0083 | 0 | 0.24100E-05 | 507080.3 | 3635912.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0084 | 0 | 0.24100E-05 | 507086.2 | 3635920.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0085 | 0 | 0.24100E-05 | 507092.2 | 3635928.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0086 | 0 | 0.24100E-05 | 507098.1 | 3635935.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0087 | 0 | 0.24100E-05 | 507104.0 | 3635943.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0088 | 0 | 0.24100E-05 | 507110.0 | 3635951.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0089 | 0 | 0.24100E-05 | 507115.9 | 3635958.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0090 | 0 | 0.24100E-05 | 507121.8 | 3635966.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0091 | 0 | 0.24100E-05 | 507127.7 | 3635974.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0092 | 0 | 0.24100E-05 | 507133.7 | 3635982.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0093 | 0 | 0.24100E-05 | 507139.6 | 3635989.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0094 | 0 | 0.24100E-05 | 507145.5 | 3635997.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |

*** VOLUME SOURCE DATA ***

| SOURCE ID | NUMBER PART. CATS. | EMISSION RATE (GRAMS/SEC) | X (METERS) | Y (METERS) | BASE ELEV. (METERS) | RELEASE HEIGHT (METERS) | INIT. SY (METERS) | INIT. SZ (METERS) | EMISSION RATE SCALAR VARY BY |
|---|---|---|---|---|---|---|---|---|---|
| 672_0095 | 0 | 0.24100E-05 | 507151.4 | 3636005.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0096 | 0 | 0.24100E-05 | 507157.3 | 3636013.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0097 | 0 | 0.24100E-05 | 507163.3 | 3636020.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0098 | 0 | 0.24100E-05 | 507169.2 | 3636028.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0099 | 0 | 0.24100E-05 | 507175.1 | 3636036.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0100 | 0 | 0.24100E-05 | 507181.1 | 3636044.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0101 | 0 | 0.24100E-05 | 507186.0 | 3636052.5 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0102 | 0 | 0.24100E-05 | 507190.2 | 3636061.2 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0103 | 0 | 0.24100E-05 | 507194.4 | 3636070.0 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |
| 672_0104 | 0 | 0.24100E-05 | 507198.5 | 3636078.8 | 0.0 | 0.00 | 4.53 | 2.28 | HROFDY |

*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID SOURCE IDs

ALL 671_0001, 671_0002, 671_0003, 671_0004, 671_0005, 671_0006, 671_0007, 671_0008, 671_0009, 671_0010, 671_0011, 671_0012,

671_0013, 671_0014, 671_0015, 671_0016, 671_0017, 671_0018, 671_0019, 671_0020, 671_0021, 671_0022, 671_0023, 671_0024,

671_0025, 671_0026, 671_0027, 671_0028, 671_0029, 671_0030, 671_0031, 671_0032, 671_0033, 671_0034, 671_0035, 671_0036,

671_0037, 671_0038, 671_0039, 671_0040, 671_0041, 671_0042, 671_0043, 671_0044, 671_0045, 671_0046, 671_0047, 671_0048,

671_0049, 671_0050, 671_0051, 671_0052, 671_0053, 671_0054, 671_0055, 671_0056, 671_0057, 671_0058, 671_0059, 671_0060,

671_0061, 671_0062, 671_0063, 671_0064, 671_0065, 671_0066, 671_0067, 671_0068, 671_0069, 671_0070, 671_0071, 671_0072,

671_0073, 671_0074, 671_0075, 671_0076, 671_0077, 671_0078, 671_0079, 671_0080, 671_0081, 671_0082, 671_0083, 671_0084,

671_0085, 671_0086, 671_0087, 671_0088, 671_0089, 671_0090, 671_0091, 671_0092, 671_0093, 671_0094, 671_0095, 671_0096,

671_0097, 671_0098, 671_0099, 671_0100, 671_0101, 671_0102, 671_0103, 671_0104, 671_0105, 671_0106, 672_0001, 672_0002,

672_0003, 672_0004, 672_0005, 672_0006, 672_0007, 672_0008, 672_0009, 672_0010, 672_0011, 672_0012, 672_0013, 672_0014,

672_0015, 672_0016, 672_0017, 672_0018, 672_0019, 672_0020, 672_0021, 672_0022, 672_0023, 672_0024, 672_0025, 672_0026,

672_0027, 672_0028, 672_0029, 672_0030, 672_0031, 672_0032, 672_0033, 672_0034, 672_0035, 672_0036, 672_0037, 672_0038,

672_0039, 672_0040, 672_0041, 672_0042, 672_0043, 672_0044, 672_0045, 672_0046, 672_0047, 672_0048, 672_0049, 672_0050,

672_0051, 672_0052, 672_0053, 672_0054, 672_0055, 672_0056, 672_0057, 672_0058, 672_0059, 672_0060, 672_0061, 672_0062,

672_0063, 672_0064, 672_0065, 672_0066, 672_0067, 672_0068, 672_0069, 672_0070, 672_0071, 672_0072, 672_0073, 672_0074,

672_0075, 672_0076, 672_0077, 672_0078, 672_0079, 672_0080, 672_0081, 672_0082, 672_0083, 672_0084, 672_0085, 672_0086,

672_0087, 672_0088, 672_0089, 672_0090, 672_0091, 672_0092, 672_0093, 672_0094, 672_0095, 672_0096, 672_0097, 672_0098,

672_0099, 672_0100, 672_0101, 672_0102, 672_0103, 672_0104,

*** THE SUMMARY OF HIGHEST 1-HR RESULTS ***

** CONC OF OTHER IN PPM **

| GROUP ID | AVERAGE CONC | DATE (YYMMDDHH) | NETWORK RECEPTOR (XR, YR, ZELEV, ZFLAG) | OF TYPE GRID-ID |
|---|---|---|---|---|
| ALL | HIGH 1ST HIGH VALUE IS | 0.01947 | ON 67020404: AT ( 506817.19, 3635661.75, 0.00, 1.50) | DC NA |

HIGH 2ND HIGH VALUE IS 0.01947 ON 67022705: AT ( 506817.19, 3635661.75, 0.00, 1.50) DC NA

*** THE SUMMARY OF HIGHEST 8-HR RESULTS ***

** CONC OF OTHER IN PPM **

| GROUP ID | | AVERAGE CONC | DATE (YYMMDDHH) | NETWORK RECEPTOR (XR, YR, ZELEV, ZFLAG) | OF TYPE GRID-ID |
|---|---|---|---|---|---|
| ALL | HIGH 1ST HIGH VALUE IS | 0.01266 | ON 68090808: | AT ( 506817.19, 3635661.75, 0.00, 1.50) | DC NA |
| | HIGH 2ND HIGH VALUE IS | 0.01199 | ON 71090408: | AT ( 506817.19, 3635661.75, 0.00, 1.50) | DC NA |

## Highest (Most Conservative) EMFAC 2002 (version 2.2)
## Emission Factors for On-Road Vehicles

Projects in the SCAQMD (Scenario Years 2003 - 2025)

Derived from Wintertime Emissions Inventory (except Annual Average CO for passenger vehicles)

Passenger Vehicles (<8500 pounds), Delivery Trucks (>8500 pounds)

The following emission factors were compiled by running the California Air Resources Board's EMFAC2002 (version 2.2) Burden Model, taking the weighted average of vehicle types and simplifying into two categories which can be used to calculate on-road mobile source emissions. Use the following equation:

**Emissions (pounds per day) = N x TL x EF**

where N = number of trips, TL = trip length (miles/day), and EF = emission factor (pounds per mile)

This methodology replaces the old EMFAC emission factors in Tables A-9-5-J-1 through A-9-5-L in Appendix A9 of the current SCAQMD CEQA Handbook. All the emission factors account for the emissions from start, running and idling exhaust. In addition, the ROG emission factors take into account diurnal, hot soak, running and resting emissions, and PM10 emission factor takes into account the tire and brake wear.

Scenario Year: 2003 -- Model Years: 1965 to 2003

| Passenger Vehicles (pounds/mile) | | Delivery Trucks (pounds/mile) | |
|---|---|---|---|
| CO | 0.01815 | CO | 0.025508 |
| NOx | 0.002014 | NOx | 0.031208 |
| ROG | 0.001935 | ROG | 0.003362 |
| SOx | 0.00001 | SOx | 0.000241 |
| PM10 | 0.000078 | PM10 | 0.000540 |

Scenario Year: 2004 -- Model Years: 1965 to 2004

| Passenger Vehicles (pounds/mile) | | Delivery Trucks (pounds/mile) | |
|---|---|---|---|
| CO | 0.016559 | CO | 0.02309 |
| NOx | 0.0018 | NOx | 0.029607 |
| ROG | 0.001771 | ROG | 0.003148 |
| SOx | 0.00001 | SOx | 0.000243 |
| PM10 | 0.000079 | PM10 | 0.000519 |

Scenario Year: 2005 -- Model Years: 1965 to 2005

| Passenger Vehicles (pounds/mile) | | Delivery Trucks (pounds/mile) | |
|---|---|---|---|
| CO | 0.015165 | CO | 0.020984 |
| NOx | 0.001634 | NOx | 0.028142 |
| ROG | 0.001626 | ROG | 0.002955 |
| SOx | 0.00001 | SOx | 0.000246 |
| PM10 | 0.000079 | PM10 | 0.000500 |

Scenario Year: 2006 -- Model Years: 1965 to 2006

| Passenger Vehicles (pounds/mile) | | Delivery Trucks (pounds/mile) | |
|---|---|---|---|
| CO | 0.013925 | CO | 0.019135 |
| NOx | 0.001489 | NOx | 0.026756 |
| ROG | 0.001497 | ROG | 0.002779 |
| SOx | 0.000009 | SOx | 0.000248 |
| PM10 | 0.000080 | PM10 | 0.000483 |

## EMFAC 2002 Emission Factors for On-Road Mobile Sources (continued)

Scenario Year: 2007 -- Model Years: 1965 to 2007

| Passenger Vehicles (pounds/mile) | | Delivery Trucks (pounds/mile) | |
|---|---|---|---|
| CO | 0.01282 | CO | 0.017455 |
| NOx | 0.001361 | NOx | 0.024978 |
| ROG | 0.001383 | ROG | 0.002608 |
| SOx | 0.000009 | SOx | 0.000033 |
| PM10 | 0.000080 | PM10 | 0.000440 |

Scenario Year: 2008 -- Model Years: 1965 to 2008

| Passenger Vehicles (pounds/mile) | | Delivery Trucks (pounds/mile) | |
|---|---|---|---|
| CO | 0.011798 | CO | 0.015942 |
| NOx | 0.001245 | NOx | 0.023199 |
| ROG | 0.001277 | ROG | 0.00245 |
| SOx | 0.000009 | SOx | 0.000033 |
| PM10 | 0.000080 | PM10 | 0.000419 |

Scenario Year: 2009 -- Model Years: 1965 to 2009

| Passenger Vehicles (pounds/mile) | | Delivery Trucks (pounds/mile) | |
|---|---|---|---|
| CO | 0.010849 | CO | 0.01454 |
| NOx | 0.001138 | NOx | 0.021501 |
| ROG | 0.001179 | ROG | 0.002295 |
| SOx | 0.000009 | SOx | 0.000033 |
| PM10 | 0.000081 | PM10 | 0.000400 |

Scenario Year: 2010 -- Model Years: 1965 to 2010

| Passenger Vehicles (pounds/mile) | | Delivery Trucks (pounds/mile) | |
|---|---|---|---|
| CO | 0.009954 | CO | 0.013168 |
| NOx | 0.001038 | NOx | 0.019339 |
| ROG | 0.001087 | ROG | 0.002141 |
| SOx | 0.000009 | SOx | 0.000033 |
| PM10 | 0.000081 | PM10 | 0.000374 |

Scenario Year: 2011 -- Model Years: 1966 to 2011

| Passenger Vehicles (pounds/mile) | | Delivery Trucks (pounds/mile) | |
|---|---|---|---|
| CO | 0.009268 | CO | 0.012065 |
| NOx | 0.000952 | NOx | 0.01704 |
| ROG | 0.001015 | ROG | 0.002031 |
| SOx | 0.000009 | SOx | 0.000033 |
| PM10 | 0.000083 | PM10 | 0.000357 |

## EMFAC 2002 Emission Factors for On-Road Mobile Sources (continued)

Scenario Year: 2012 -- Model Years: 1967 to 2012

| Passenger Vehicles (pounds/mile) | | Delivery Trucks (pounds/mile) | |
|---|---|---|---|
| CO | 0.008512 | CO | 0.010982 |
| NOx | 0.000868 | NOx | 0.01529 |
| ROG | 0.000941 | ROG | 0.001909 |
| SOx | 0.000009 | SOx | 0.000034 |
| PM10 | 0.000083 | PM10 | 0.000337 |

Scenario Year: 2013 -- Model Years: 1968 to 2013

| Passenger Vehicles (pounds/mile) | | Delivery Trucks (pounds/mile) | |
|---|---|---|---|
| CO | 0.007818 | CO | 0.010047 |
| NOx | 0.000791 | NOx | 0.013737 |
| ROG | 0.000874 | ROG | 0.001803 |
| SOx | 0.000009 | SOx | 0.000034 |
| PM10 | 0.000083 | PM10 | 0.000318 |

Scenario Year: 2014 -- Model Years: 1969 to 2014

| Passenger Vehicles (pounds/mile) | | Delivery Trucks (pounds/mile) | |
|---|---|---|---|
| CO | 0.007186 | CO | 0.009273 |
| NOx | 0.000721 | NOx | 0.012369 |
| ROG | 0.000813 | ROG | 0.001712 |
| SOx | 0.000009 | SOx | 0.000034 |
| PM10 | 0.000084 | PM10 | 0.000303 |

Scenario Year: 2015 -- Model Years: 1970 to 2015

| Passenger Vehicles (pounds/mile) | | Delivery Trucks (pounds/mile) | |
|---|---|---|---|
| CO | 0.006611 | CO | 0.008582 |
| NOx | 0.000659 | NOx | 0.01116 |
| ROG | 0.000759 | ROG | 0.001635 |
| SOx | 0.000009 | SOx | 0.000034 |
| PM10 | 0.000084 | PM10 | 0.000289 |

Scenario Year: 2016 -- Model Years: 1971 to 2016

| Passenger Vehicles (pounds/mile) | | Delivery Trucks (pounds/mile) | |
|---|---|---|---|
| CO | 0.006089 | CO | 0.00799 |
| NOx | 0.000602 | NOx | 0.010108 |
| ROG | 0.00071 | ROG | 0.001568 |
| SOx | 0.000009 | SOx | 0.000035 |
| PM10 | 0.000084 | PM10 | 0.000278 |

## EMFAC 2002 Emission Factors for On-Road Mobile Sources (continued)

Scenario Year: 2017 -- Model Years: 1972 to 2017

| Passenger Vehicles (pounds/mile) | | Delivery Trucks (pounds/mile) | |
|---|---|---|---|
| CO | 0.005605 | CO | 0.007439 |
| NOx | 0.000551 | NOx | 0.009175 |
| ROG | 0.000664 | ROG | 0.001503 |
| SOx | 0.000009 | SOx | 0.000035 |
| PM10 | 0.000084 | PM10 | 0.000267 |

Scenario Year: 2018 -- Model Years: 1973 to 2018

| Passenger Vehicles (pounds/mile) | | Delivery Trucks (pounds/mile) | |
|---|---|---|---|
| CO | 0.005162 | CO | 0.006932 |
| NOx | 0.000505 | NOx | 0.008346 |
| ROG | 0.000621 | ROG | 0.001439 |
| SOx | 0.000009 | SOx | 0.000035 |
| PM10 | 0.000084 | PM10 | 0.000257 |

Scenario Year: 2019 -- Model Years: 1974 to 2019

| Passenger Vehicles (pounds/mile) | | Delivery Trucks (pounds/mile) | |
|---|---|---|---|
| CO | 0.004778 | CO | 0.006512 |
| NOx | 0.000465 | NOx | 0.007615 |
| ROG | 0.000585 | ROG | 0.001382 |
| SOx | 0.000009 | SOx | 0.000035 |
| PM10 | 0.000084 | PM10 | 0.000248 |

Scenario Year: 2020 -- Model Years: 1975 to 2020

| Passenger Vehicles (pounds/mile) | | Delivery Trucks (pounds/mile) | |
|---|---|---|---|
| CO | 0.004438 | CO | 0.006139 |
| NOx | 0.00043 | NOx | 0.006975 |
| ROG | 0.000553 | ROG | 0.001328 |
| SOx | 0.000009 | SOx | 0.000035 |
| PM10 | 0.000084 | PM10 | 0.000241 |

Scenario Year: 2021 -- Model Years: 1976 to 2021

| Passenger Vehicles (pounds/mile) | | Delivery Trucks (pounds/mile) | |
|---|---|---|---|
| CO | 0.004166 | CO | 0.005863 |
| NOx | 0.000401 | NOx | 0.006414 |
| ROG | 0.000528 | ROG | 0.00129 |
| SOx | 0.000009 | SOx | 0.000035 |
| PM10 | 0.000085 | PM10 | 0.000238 |

## EMFAC 2002 Emission Factors for On-Road Mobile Sources (continued)

Scenario Year: 2022 -- Model Years: 1977 to 2022

| Passenger Vehicles (pounds/mile) | | Delivery Trucks (pounds/mile) | |
|---|---|---|---|
| CO | 0.003883 | CO | 0.005585 |
| NOx | 0.000373 | NOx | 0.005968 |
| ROG | 0.000502 | ROG | 0.001248 |
| SOx | 0.000009 | SOx | 0.000035 |
| PM10 | 0.000085 | PM10 | 0.000232 |

Scenario Year: 2023 -- Model Years: 1978 to 2023

| Passenger Vehicles (pounds/mile) | | Delivery Trucks (pounds/mile) | |
|---|---|---|---|
| CO | 0.003628 | CO | 0.005344 |
| NOx | 0.000348 | NOx | 0.005585 |
| ROG | 0.000477 | ROG | 0.001211 |
| SOx | 0.000009 | SOx | 0.000035 |
| PM10 | 0.000085 | PM10 | 0.000228 |

Scenario Year: 2024 -- Model Years: 1979 to 2024

| Passenger Vehicles (pounds/mile) | | Delivery Trucks (pounds/mile) | |
|---|---|---|---|
| CO | 0.003404 | CO | 0.005134 |
| NOx | 0.000325 | NOx | 0.005258 |
| ROG | 0.000454 | ROG | 0.001176 |
| SOx | 0.000009 | SOx | 0.000035 |
| PM10 | 0.000085 | PM10 | 0.000224 |

Scenario Year: 2025 -- Model Years: 1980 to 2025

| Passenger Vehicles (pounds/mile) | | gr/mi | Delivery Trucks (pounds/mile) | |
|---|---|---|---|---|
| CO | 0.003216 | 1.4587454 | CO | 0.004958 |
| NOx | 0.000304 | 0.1378914 | NOx | 0.004983 |
| ROG | 0.000433 | 0.1964045 | ROG | 0.00114 |
| SOx | 0.000009 | 0.0040823 | SOx | 0.000035 |
| PM10 | 0.000085 | 0.0386397 | PM10 | 0.000220 |